

Product catalog

XADO CHEMICAL GROUP

Revitalizants

Metal
conditioners

Oils

Greases
and lubricants

Special fluids

Conditioner
treatment products

Weapon treatment
products



2011

XADO INNOVATION NANOTECHNOLOGY

XADO[®]

CHEMICAL GROUP



Dear friends!

Let us present you the 2011 XADO product catalog!

The 2011 XADO Product Catalog contains complete information about all the products currently manufactured under the XADO trade mark. Each product has a detailed description and a picture, also listed are product characteristics, key advantages and application instructions. Product number and packaging information will also assist in a more efficient order placement process.

The catalog is divided into four parts:

- p. **4** Revitalizants,
- 24** Oils,
- 62** Greases and Lubricants,
- 67** Automotive Care Products

The catalog also includes special informational articles.

We hope that this edition will help you choose XADO products that will address the unique needs of you and your car from our extensive product portfolio.



To repair and protect!

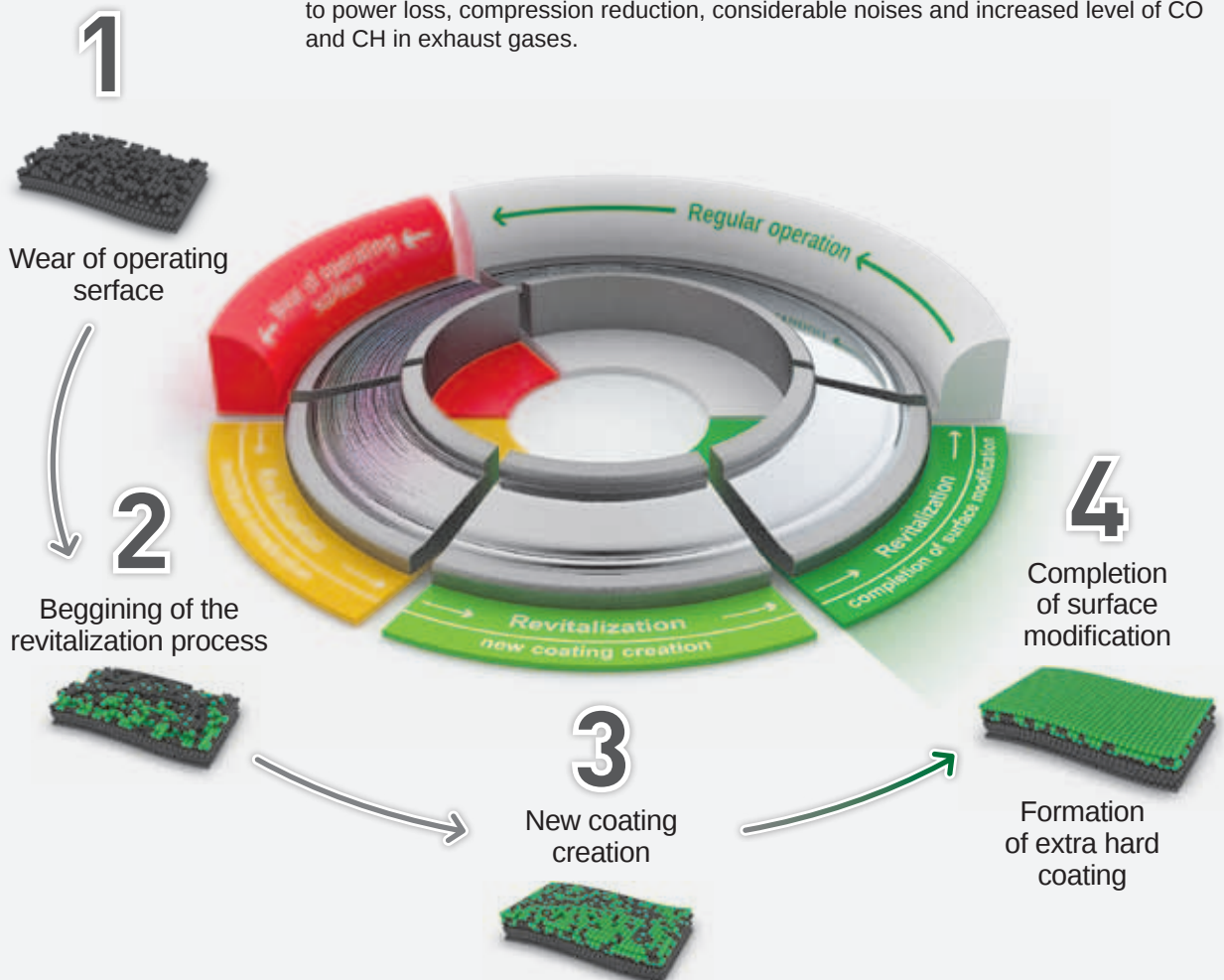
XADO Chemical Group specializes in the production of gels, oils, greases and overall automotive care products that you will find both useful and necessary in your car technical servicing routine. These products are unique in today's market because they serve a goal above

and beyond the regular servicing tasks: they repair and protect your vehicle.

XADO products contain special substance — revitalizant, which provides their unique ability to restore vehicles and mechanisms and protect them against wear.

How does it work?

1 Under the influence of loads the destruction of part's surface coating takes place in the friction zone. The atoms of metal break away from the surface and get into lubricant. Moreover, the whole groups of atoms (clusters) could break away under extreme loads. There could be up to 3 grams of metal in the used oil, and the loss of 60 grams is irreplaceable for an engine rendering it unfit for further use. Wear leads to power loss, compression reduction, considerable noises and increased level of CO and CH in exhaust gases.





Revitalizant — is a substance that activates the new coating creation process on friction surfaces.

The phenomenon of revitalization that became a technological breakthrough in modern mechanisms' operation was discovered in the nineties. This discovery belongs to the specialists of XADO Chemical Group, and we are proud of it. Nowadays revitalization technology is recognized universally, its process is described in tribology textbooks, and high-quality, reliable and effective products containing revitalizant can be found on store shelves all over the world.

2 Let's add revitalizant into the lubricant. The lubricant will bring it into the friction zone where it will act as a catalyst of the new surface creation. Revitalizant activates the process of carbon absorption by the surface layer and as a result metal carbides are formed.

3 In the excessive energy zone a new protective coating is formed with the help of carbides and metal particles, broken away from working surfaces, which are present in the lubricant.

4 At the final stage, due to the diffusion of the protective coating into the metal, an extra hard gradient coating with unique operating properties is formed.

Main characteristics of the protective coating:

	with revitalizant	without revitalizant
Microhardness, kg/mm ²	650–750	200–300
Roughness, Ra, micron	up to 0,06 the highest class of purity	0,9–2,1
Corrosion resistance	High	Low

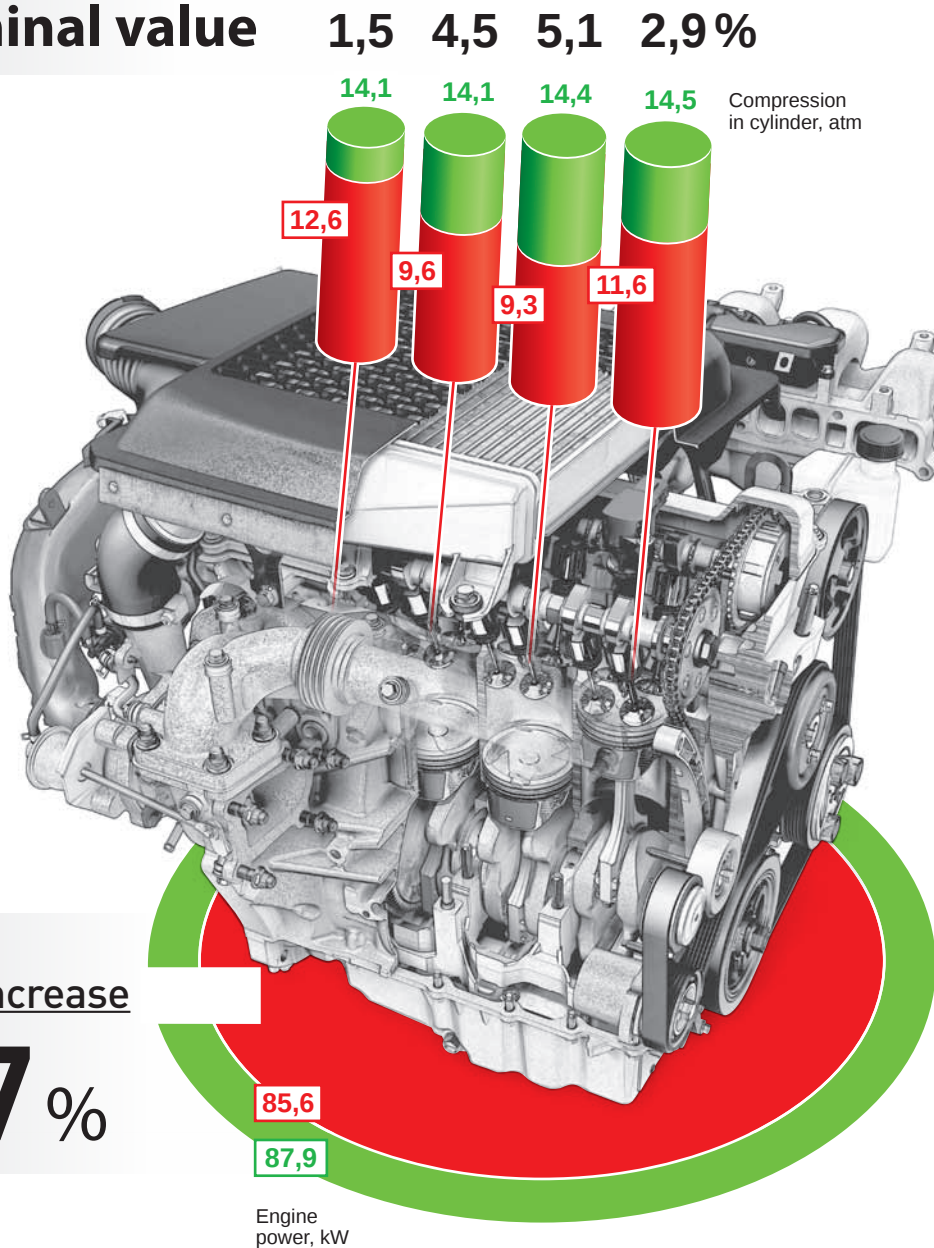
In appearance this is a smooth glassy surface. In physical structure – a metal strengthened by metal carbides and carbon. The carbon content achieves its maximum on the surface transforming it into a diamond-like film. Thus the result of revitalization is the extra hard surface layer on the relatively soft flexible base – an almost perfect strengthening that guarantees the increased resource life.

Nowadays the revitalization technology gained universal acceptance, and revitalization effectiveness is proved by certification tests in 35 countries including the TÜV official certificate. The following results were obtained during TÜV certification of gel-revitalizant for gasoline engines:

- Compression increase and restoration in cylinders from 11 to 14 atm
- Engine power increase by 2.7 (2.3 kW)
- Fuel consumption decrease by 5.3 %
- Reduction of exhaust gases toxicity (CO₂ — by 5,2 %; CO — by 15,9 %; HC — by 7,6 %)

Compression increase in engine cylinders

↑ **Up to nominal value**



Engine power increase

↑ **2,7%**

Engine power, kW

Fuel consumption decrease

↓ **5,29** %

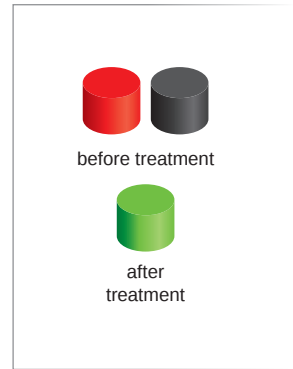


6,962 L for 100 km



7,351 L for 100 km

Average value of fuel consumption



Reduction of exhaust gases toxicity

CO

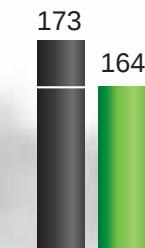
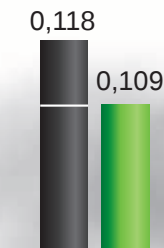
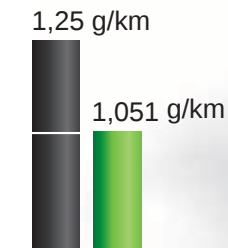
↓ **15,9** %

HC

↓ **7,6** %

CO₂

↓ **5,2** %



TÜV (short for *Technischer Überwachungs-Verein* (German) —*Technical Inspection Association*). This is the most recognized European organization in technical expertise field, whose opinion has the highest credibility. For a consumer the TÜV stamp of approval means an indisputable high-quality mark.

The revitalization potential has revolutionized the contemporary ideas of vehicle and mechanism operation and repair. Scientific while beautiful in its simplicity, the concept of the wear process reversal is embodied in XADO products.

Aftereffect

The following experiment perfectly demonstrates the unique regeneration capability of the coating. Even after 10 (!) oil changes (with inter-change intervals of 10,000 km), a scratch on the working surface completely disappears! Such excellent aftereffect is achieved due to the coating regeneration features (accumulated potential of compressing internal stresses).

The coating that resulted from revitalization is guaranteed to retain its unique properties regardless of the further presence of revitalizant in the lubricant.

Application

New vehicles.

It is known that the engine breaking-in period results in the most severe metal loss. The application of the revitalizant causes the metal worn from surfaces to return to its place and form a protective coating on parts surfaces. The engine will be practically preserved in the like-new condition!

Used vehicles. Ellipticity.

High mileage engine cylinders start showing ellipse shape due to metal loss. The wear of upper and lower cylinder belts can be so significant as to be measured with devices and simply felt with fingers! In the process of revitalization the geometry of cylinders is restored and they get back to their initial size. The ellipticity disappears! The results are confirmed by compression measurement and micrometer value of cylinder face.

Oil-free run.

As already mentioned above, the coating created by revitalization is unique in its durability and is designed to protect the mechanisms in case of overloading. The margin of safety is demonstrated experimentally. For instance, the vehicles that had undergone revitalization were brought to such serious testing as oil-free running. Their total run exceeded 5,000 km. This method effectively demonstrates the potential gained by units after revitalization treatment.

Transmission noise.

Hum and noise during operation of transmission units and differentials are caused by the gear teeth wear at the points of decoupling. The revitalizant compensates wear, builds up the teeth coating, and absolutely eliminates disturbing noise and vibration.



Weapon.

Weapon barrels are subject to severe wear. Every time a bullet comes through a barrel, it removes the metal from the inside. 100 shots are enough to impair the barrel class and safety. Thanks to the revitalizant, the barrel is restored literally in front of your eyes — just in several shots. This is because a shot creates ideal conditions for revitalization: high speed and friction force of contacting surfaces. Protective coating is formed directly on bullet-barrel contact points, that is, on surfaces of rifles that are restoring their geometry. The best manifestation of revitalizant action is grouping of shots that is immediately improved!



27 ml
Art. XA 10024



Engine revitalizant **XADO 1 Stage**

Designed for restoring repair of automobile engines without disassembly and guarantees protection against wear for 100,000 km.

XADO 1 Stage is the most powerful product in the revitalizant series. Its key characteristics are *quick action* (revitalization is complete before 1,000 km after application), *universal use* (for both gasoline and diesel engines) and the simplicity of *the one-step* treatment.

Advantages

- Restores friction surfaces, protects and strengthens engine parts.
- Increases and restores cylinder compression.
- Increases engine power and acceleration.
- Reduces fuel consumption.
- Increases the oil system pressure in the engine up to nominal.
- Extends life span of units by 2-3 times.
- Protects against negative consequences of cold starts.
- Decreases noise and vibration levels.

For a used car

allows restoration and keeping of the compression, power and economy on the top level.

For a new car

is perfect for the parts adjustment to each other ensuring maximum life span

Application instructions

1. Introduce the compound into the oil filler neck of the engine warmed up to working temperature.
2. Start the engine and let it idle for 3-5 minutes.

Note

XADO 1 Stage is effective for gasoline, gas (LPG) and diesel engines, passenger cars and small trucks with the oil system capacity of up to 10 L.

The treatment is considered to be complete after no less than 1,000 km run. It is recommended to avoid oil changing until the treatment is complete. Repeated application could be necessary for heavily worn engines.

**10 ml**

Art. XA 10601
Aerosol can in
a shaped blister package

**Gel-revitalizant for gasoline
engine**

9 ml

Art. XA 10101
tube in blister

**10 ml**

Art. XA 10501
aerosol can

**9 ml**

Art. XA 10001
tube

**3 x 9 ml**

Art. XA 10201
3 tubes
in a gift kit

XADO gel-revitalizant for engines

Designed for wear protection and restoring repair of gasoline and diesel engines without disassembly.

A new metalloceramic coating is formed on the surfaces of friction pairs (engine parts increase in volume and restore their geometry). As a result the renovated unit surpasses a new one with its performance level and is guaranteed to serve 2-4 times longer.

- Protects the engine against the negative consequences of cold starts.
- Improves the engine operation after as little as 50–100 km.
- Enables the engine to run up to 300 km in case of oil leakage.

Advantages

- Restores and protects friction parts of the cylinder-piston group, crank and gas-distributing mechanisms from wear.
- Significantly reduces fuel consumption (up to 30 % at idling).
- Increases oil pressure in the system to the nominal level.
- Compensates and increases cylinder compression.
- Increases engine power and improves acceleration.
- Decreases noise and vibration levels by 10 times.
- Extends the life span of the units by 2–3 times.

Application instructions

For an engine with the oil system capacity of 3–10 liters:

Step 1

Squeeze out (spray) the contents of one tube (aerosol can) into the oil filler neck of the engine warmed up to the working temperature. Start the engine and let it idle for 5–10 min.

Step 2

Repeat the procedure after 100–250 km.

Step 3

Repeat the procedure after 100–250 km.

Treatment is considered complete after the mileage of no less than 1,500 km.



10 ml

Art. XA 10602

Aerosol can in a shaped blister package

9 ml

Art. XA 10102

tube in blister



Gel-revitalizant for diesel engine



10 ml

Art. XA 10502
aerosol can



9 ml

Art. XA 10002
tube



3 × 9 ml

Art. XA 10202
3 tubes
in a gift kit

Dosage

Oil system capacity, L	3–10	11–20	21–30
Number of tubes (aerosol cans), pcs	3	6	9
Treatment schedule by steps	1+1+1	2+2+2	3+3+3
Number of tubes (aerosol cans) for new engines	2	4	6

Note

It is recommended to avoid oil changing till the treatment is complete.

The treatment can be performed at idling (4 hours is an equivalent of 200 km run).

New engines with the run of up to 20,000 km should be treated in one step.

Engines after overhaul should be treated in three steps as described above.

Treatment of engines working on liquefied gas is similar to the treatment process of gasoline engines.

Protective metalloceramic coating is formed on any working mechanism, however, if the mechanism (engine) is in a critical condition (100% wear), the destroyed parts should be replaced.

XADO gel-revitalizant for gear boxes, transfer cases and differentials



Designed for wear protection and restoring repair of gear boxes, transfer cases and differentials.

Forms metalloceramic coating on the surfaces of pinion gears, valves, bearings, synchronizers and other units. The geometry of parts is restored as a result.

Advantages

- Removes bubbles and scratches on work surfaces.
- Optimizes contact patches in pinion engagement areas.
- Reduces noise and vibration by 10 times.
- Increases accuracy of gear shifting.
- Improves operation of synchronizers.
- Ensures significant fuel economy (especially for all-wheel drive vehicles).
- Enables extended use of transmission units in case of oil leakage (up to 1,000 km).

Application instructions

For a unit with the oil system capacity of 1–2 liters.
Squeeze out (spray) the contents of one tube (aerosol can) into the oil filler neck of the gear box, transfer case or axle reducer.

Dosage

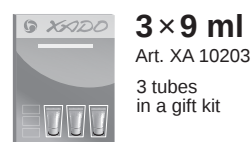
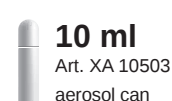
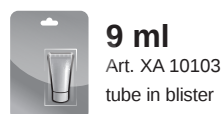
Oil system capacity, L	1–2	2–5	5–8
Number of tubes (cans), pcs.	1	2	3
Treatment schedule	once		

Treatment is considered complete after 50 hours of the mechanism operation (1,500 km run).

Note

The sure sign of revitalization process beginning is a noise decrease in the mechanism from the first kilometers following application. If the improvement of mechanism operation stops at some point, it signifies extreme wear of the mechanism — the recommended dose should be doubled.

If after 100–200 km run no improvement in the mechanism operation is observed, then the diagnostics may have been false.



XADO gel-revitalizant for automatic transmission

Designed for restoring repair and protection from wear of automatic transmissions.

During the revitalization of automatic transmissions a cermet layer, grown on the crystal lattice of the metal surface layer, is formed on the friction pair surfaces (gears, bearings, hydraulic distributors, torque converter clutches). Thus the usual "metal to metal" pair is replaced by a practically non-wearing "cermet to cermet" pair.

Advantages

- Restores and protects friction metal parts from wear.
- Removes surface defects.
- Improves reliability of the mechanism operation and prolongs its life span.
- Reduces noise and vibration.
- Damps extreme loads.
- Protects parts against wear in case of low oil level.

Application instructions

1. Shake the can.
2. Spray the necessary quantity of gel-revitalizant into the oil filler neck (vent of the oil gage rod) of the automatic transmission.
3. Run the car as usual.
4. Revitalization is complete after 50 hours of mechanism operation (after 1,500 km run).

Note

The sure sign of revitalization process beginning is an improvement in automatic transmission operation (noise reduction and smoother gear shifting) as early as the first kilometers of after-application operation.

XADO revitalizant is compatible with all types of fluids for automatic transmissions: Dexron®, Mercon®, Mopar ATF®, CVT. It does not have chemical reaction with them and does not change their viscosity, friction and other physical-chemical characteristics.



10 ml

Art. XA 10615

Aerosol can in a shaped blister package



10 ml

Art. XA 10515

aerosol can

Dosage

Oil system capacity (L)	5 – 8	9 – 12	13 – 15
Quantity of cans (pcs)	1	2	3
Treatment scheme	once		

XADO gel-revitalizant for cylinders



Designed for restoring repair and further wear protection of the engine cylinder-piston group without disassembly. Recommended to be used as an aid for selective revitalization of the cylinders with considerable wear and/or surface defects.

Creates a cermet coating on the surfaces of piston-cylinder group parts. As a result, the cylinder geometry is restored; its internal diameter is reduced; ellipse form disappears.

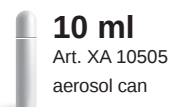
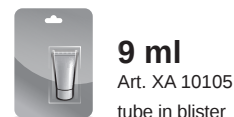
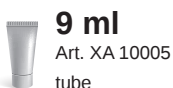
Advantages

- Increases compression.
- Eliminates scratches and tears up to 0.1 mm in size.
- Protects cylinders against wear at cold start.
- Decreases noises and vibration.
- Increases engine power.
- Decreases fuel consumption.
- Reduces the content of CO and CH in exhaust gases.
- Selective repair is possible (treatment of one or several cylinders).

Application instructions

For cylinders of gasoline engines

1. Warm up the engine (it should be warm, but not hot).
2. Unscrew the plug from the cylinder; disconnect the central cable of the sensor of ignition timing and switchboard.
3. For 2-stroke engines, put the piston to the upper "dead" point (to avoid the gel getting to inlet and exhaust ports).
4. Squeeze out (spray) the contents of one tube (aerosol can 10 ml) into the cylinder.
5. Let the piston have 15–20 strokes (with a crank, towing, by rolling a driving wheel, etc).
6. Screw in the plug and drive the starter 3–4 times for 3–4 sec with the break intervals of 15–20 seconds.
7. For 2-stroke engines, introduce the contents of another tube (aerosol can 10 ml) into the fuel tank.
8. Attach the central cable and switchboard, start the engine and let it idle for 15 min.
9. Run the car in a usual mode.



Dosage

- 1 tube (aerosol can 10 ml) — 1 cylinder**
1 aerosol can (40 ml) — 4 cylinders

Note

The treatment of a diesel engine cylinder is the same as the treatment of a gasoline engine cylinder. Squeeze (spray) the gel-revitalizant into the hole of a sprayer or a glow plug.

With the cylinder diameter over 120 mm, the revitalization cycle should be repeated.

- * squeeze out the contents of the tube so that it gets onto the cylinder wall and not onto the piston. It is possible to use medical syringe with a pipe, having dissolved the tube content in 5-10 ml of motor oil beforehand. To avoid the hydraulic impact, total amount of the fluid should not exceed 20 ml.

XADO gel-revitalizant for small engines and motor equipment

Designed for restoring repair and wear protection of motor equipment engine parts (engine capacity up to 1,000 cc).

Is used for motorbikes, motorcycles, snow-mobiles, water and household motor equipment (lawn-mowers, chain-saws, etc.). Ensures a triple effect — repair, protection and economy.

Advantages

- Restores cylinders, eliminates tearing and scratches.
- Increases compression in cylinders.
- Protects friction parts from wear.
- Reduces fuel consumption.
- Increases engine power up to 100%.
- Prolongs engine life span by 2–4 times.
- Decreases amount of harmful exhausts.
- Reduces noise and vibration.

Application instructions

The treatment of the engine with the sachet-packed gel is carried out in three steps, in aerosol can — in two steps.

For engines with separated fuel and oil system

Step 1: Warm up the engine to the working temperature.

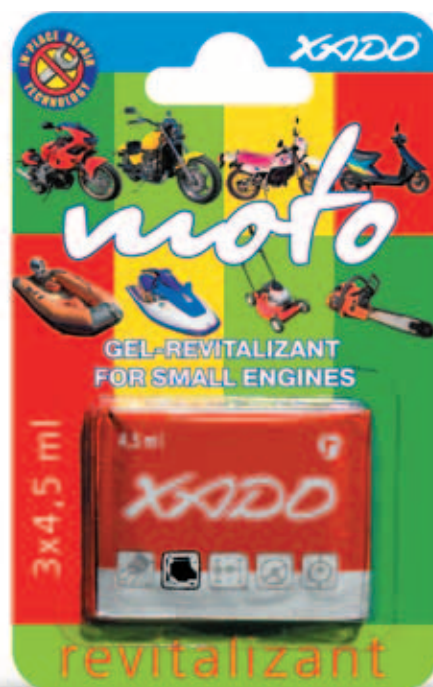
Squeeze out (spray for 10–15 sec) the contents of one sachet (0.5 of aerosol can) into the filler of the engine oil tank. Start the engine and let it idle for 2 minutes. Run as usual.

Step 2: Warm up the engine to the working temperature. Squeeze out (spray for 10–15 sec) the contents of one sachet (0.5 of aerosol can) into the filler of the engine oil tank. Start the engine and let it idle for 2 minutes. Run as usual.

Step 3: Used only when applying gel-revitalizant in sachets. Repeat step 1 again after another 150–250 km run of a motorcycle or after 4 hours of engine operation.

For engines with combined fuel and oil system.

Step 1: Squeeze out (spray for 10–15 sec) the contents of one sachet (0.5 of aerosol can) into the full fuel tank (it is recommended to dissolve the contents of



4,5 ml

Art. XA 10009

packet



10 ml

Art. XA 10511

aerosol can



3 × 4,5 ml

Art. XA 10111

blister
(3 packets)



the sachet in small quantity of oil (20-50 ml) at temperature above 20 °C). Start the engine and let it idle for 2 minutes. Run the vehicle as usual.

Step 2: Repeat step 1 when you refill the tank.

Step 3: Used only when applying gel-revitalizant in sachets: repeat step 2 after all the fuel is used.

Note

The compound is equally effective on application for two- and four-stroke engines of any kind.

Treatment is considered to be complete after no less than 1,500 km run or 20 hours of engine operation.

It is not necessary to change the oil in 4-stroke engines before the treatment.

The dose should be doubled for the engines of more than 1,000 cc in volume.

In case of heavily worn cylinders it is recommended to apply XADO gel-revitalizant for cylinders.

XADO gel-revitalizant for fuel equipment



Designed for restoring repair and wear protection of the fuel equipment.

During the treatment of fuel pumps, a cermet layer, grown on the crystal lattice of the metal surface layer, is formed on the friction pair surfaces. So, the conventional “metal to metal” contact is replaced by a practically non-wearing “cermet to cermet” contact.

Advantages

- Restores geometry of the parts and protects friction parts of any fuel pump, injectors and unit injectors from wear.
- Effectively protects from low-quality fuel.
- Reduces fuel consumption.
- Increases engine power.
- Reduces noise and vibration.
- Decreases amount of toxic components in exhausts.

Application instructions

Treatment of fuel equipment of the engine with up to 5 liters capacity.

1. Squeeze out (spray) the contents of one tube (aerosol can) into the fuel tank with the minimum quantity of fuel.
2. Add 40 liters of fuel into the fuel tank.
3. Run the car as usual.
4. Revitalization is complete after approximately 100 hours of the mechanism operation (about 3,000 km run).

Note

It is recommended to clean the engine fuel system before the treatment. Additional (supplementary) filters may reduce the revitalization efficiency.



Diesel:

9 ml
Art. XA 10008
tube

9 ml
Art. XA 10108
tube in blister

10 ml
Art. XA 10508
aerosol can

Petrol:

10 ml
Art. XA 10518
aerosol can

Dosage

Cubic capacity of the engine, l	0 – 5	5 – 15	15 – 30
Number of tubes (cans), pcs.	1	2	3
Treatment schedule	once		

XADO gel-revitalizant For power steering pumps

Designed for restoring repair and protection from wear of power steering booster and other hydraulic equipment.

It forms a cermet coating on the parts surfaces of the actuators, pumping and distributing equipment. Results in restoration of the operating characteristics of hydraulic equipment.

Advantages

- Eliminates pump howling caused by wear.
- Decreases force on a steering wheel.
- Increases the pump performance.
- Increases the accuracy of the hydraulic system operation after as little as 50–100 km following the application of the revitalizant.
- Decreases noise and vibration level of the hydraulic system pump.
- Protects parts from wear at the reduced oil level.

Application instructions

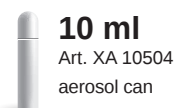
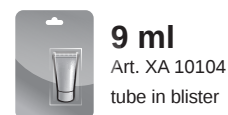
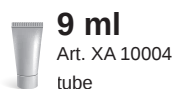
Treatment of the unit with the hydraulic system capacity of 1–2 liters.

1. Squeeze out (spray) the contents of one tube (aerosol can) into the hydraulic booster tank.
2. After adding the revitalizant, rotate the steering wheel during 5–10 minutes.
3. Revitalization is completed after 50 hours of the mechanism operation (1,500 km run).

Note

The sure sign of revitalization process beginning is an improvement in the steering wheel mechanism operation (reduction of force applied to the steering wheel, operation accuracy and noise decrease) starting from the first kilometers after application.

If after 100–200 km no improvement is observed in the hydraulic booster operation, then the diagnostics may have been false.



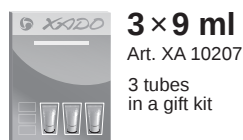
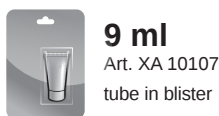
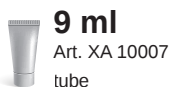
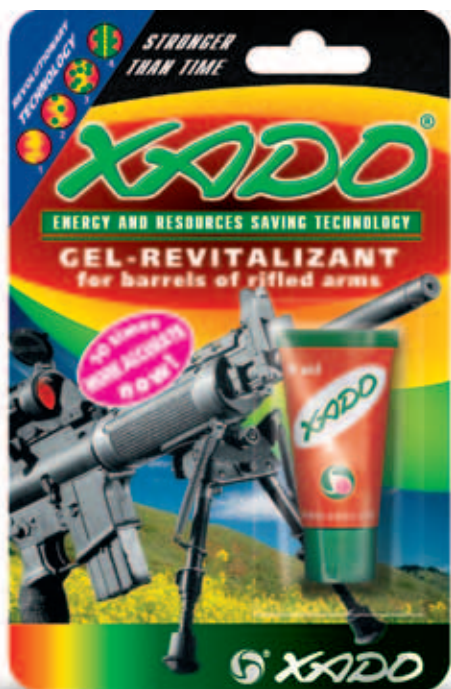
Dosage

Hydraulic capacity, L	1–2	2–5	5–8
Number of tubes (cans), pcs.	1	2	3
Treatment schedule	once		

XADO gel-revitalizant for barrels of rifled arms

Designed for restoring repair and wear protection of any barrel bore of the rifled arms surfaces.

As a result of the gel-revitalizant application, the geometry of the barrel is restored. The shooting accuracy is significantly increased. During a short period of time you can have a higher-class weapon with a prolonged service life.



Gel-revitalizant MAGNUM strengthened

1. Clean the weapon.
2. Shake the can.
3. Spray (for 2–4 s) the gel into the barrel before every shot and spread it evenly along the barrel bore with the help of the rifle brush. Make at least 10 shots in order to treat the barrel (use the full content of the can).

Advantages

- Improves accuracy of hits by 80% with the target 100 m away.
- Improves flatness of shots.
- Increases wear-resistance and durability of a barrel by 10 times.
- Imparts the maximum destructive power to the weapon.
- Restores and protects surfaces of a barrel bore from wear.
- Restores geometry of a barrel bore (complete obturation).

Application instructions

Gel-revitalizant in tubes

Perform the usual weapon cleaning. Treatment is carried out in 3 stages. For each stage, a gel with a corresponding color marking should be applied!

Stage 1 (10 shots)

1. Use the rifle brush to apply a small quantity of red gel onto the inner barrel surface.
2. Apply the gel onto the bullet surface protruding out of the cartridge.
3. Make a shot.
4. Make at least 9 more shots having repeated steps 1 and 2.

Stage 2 (10 shots)

Make at least 10 shots with a preliminary treatment of the barrel bore and a bullet with a yellow gel.

Stage 3 (10 shots)

Make at least 10 shots using green gel.

Note

New barrels should be treated with 10 shots using green gel. As a preventive measure for the restored barrels, it is recommended to make 10 shots with green gel after each 1,000 shots or once a year, whichever comes first.

Atomic metal conditioners

Metal conditioners are designed to create the multilayer protection system of parts against wear and overloads due to improvement of lubricating properties of oils. Oil film with metal conditioner has higher durability and creates on the metal surface the conditions that prevent its wear.

Atomic Metal Conditioner (AMC) is an innovative product of a new generation of metal conditioners.

AMC production uses a three-component formula comprised of a sliding agent, revitalizant and metal conditioner.

AMC is a three-component product. In appearance it is a two-phase liquid with the granules of revitalizant on the border between the two layers. All three components are completely oil soluble at the engine working temperature.

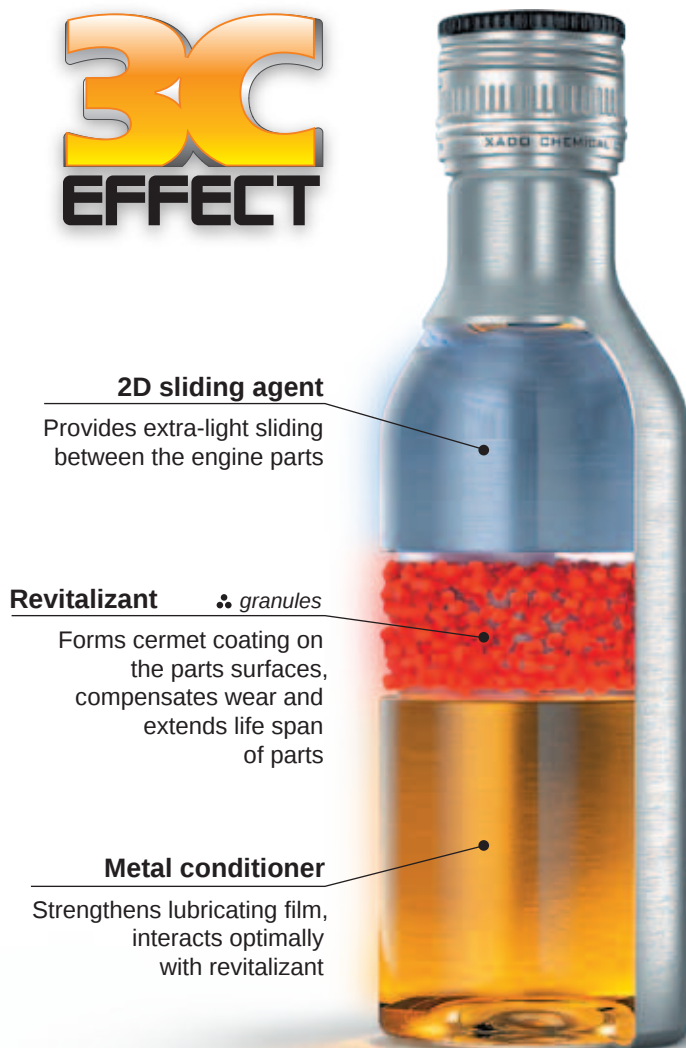
From now on the metal conditioners solve TWO tasks simultaneously: a traditional one — improve lubricating properties of oil and a new one — modify the friction surface (due to revitalization effect).

XADO Atomic metal conditioners differ from each other according to the treatment purpose and level of revitalization factor (RF). Revitalization factor is an indicator of restoring efficiency and engine wear protection. The higher RF, the more reliable are the wear-resistant and restoring properties of the achieved coating received during revitalization. Atomic metal conditioners are used in the engines of passenger cars and small trucks with the oil system capacity of up to 10 L.

They are efficient for all types of diesel, gasoline and gas (LPG) engines including high-forced, turbocharged, direct injection, and those equipped with catalyst neutralizer / particle filter.

Compatible with all types of motor oils.

3C EFFECT



2D sliding agent

Provides extra-light sliding between the engine parts

Revitalizant granules

Forms cermet coating on the parts surfaces, compensates wear and extends life span of parts

Metal conditioner

Strengthens lubricating film, interacts optimally with revitalizant

**225 ml**Art. XA 40012
bottle**225 ml**Art. XA 40212
bottle,
compact package**225 ml**Art. XA 40312
gift kit:
bottle, USB
memory stick**225 ml**Art. XA 40412
gift kit: bottle,
keychain

Atomic metal conditioner XADO Maximum 1 Stage



Product application results in the full cycle of revitalization, is completely restored and guaranteed against wear for 100,000 km.

Specially designed for engines with the mileage in excess of 20,000 km, it guarantees the maximum wear protection for 100,000 km. It ensures the restoring repair of car engines and its active protection while car operation.

Application instructions

1. Shake the bottle.
2. Add* its content into oil filler neck of the engine warmed up to operating temperature.
3. Start the engine and let it idle for 3-5 min.

* The content of the bottle should be warmed up to the room temperature before application.

Note

XADO Maximum 1 Stage is specially designed for used car engines (over 20,000 km run). The revitalization occurs within 1–1.5 thousand km run; it is recommended to avoid changing oil during this period.

Next application of XADO Maximum 1 Stage is recommended after 100,000 km.

To ensure the highest level of engine protection against wear, it is recommended to use XADO Atomic motor oils and metal conditioner XADO HighWay during each oil change.

Advantages

- Restores parts surfaces and compensates ongoing wear.
- Equalizes and increases compression in cylinders.
- Increases oil system pressure up to nominal.
- Creates active system of parts protection against loads and overheating.
- Improves oil lubricating properties and tribological parameters of engine units.
- Decreases fuel consumption.
- Increases engine power and acceleration.
- Decreases noise and vibration level.
- Extends engine life span.
- Guarantees wear protection of engine for 100,000 km.



225 ml

Art. XA 40011
bottle

225 ml

Art. XA 40211
bottle,
compact package

225 ml

Art. XA 40311
gift kit:
bottle, USB
memory stick

225 ml

Art. XA 40411
gift kit: bottle,
keychain

Atomic metal conditioner **XADO New Car 1 Stage**



Product application results in a complete cycle of revitalization for the engine that is now guaranteed against wear for 100,000 km.

Specially designed for new car engines (up to 20,000 km), it guarantees maximum protection against wear for 100,000 km.

Ensures the highest level of new car engine protection and a precise adjustment of the parts to each other during break-in period.

Application instructions

1. Shake the bottle.
2. Add* its content into oil filler neck of the engine warmed up to operating temperature.
3. Start the engine and let it idle for 3-5 min.

* The content of the bottle should be warmed up to the room temperature before application.

Note

Metal conditioner with revitalizant is effective for gasoline, gas (LPG) and diesel engines of passenger cars and small trucks with the oil system capacity of up to 10 L.

The revitalization occurs within 1-1.5 thousand km; it is recommended to avoid changing oil during this period. To provide the highest level of engine protection against wear, the further application of XADO Atomic oils or metal conditional XADO HighWay is recommended with each oil change.

Advantages

- Ensures effective (with minimal metal loss and for minimal period of time) adjustment of new engine parts during the break-in period.
- Compensates parts wear during operation.
- Creates active system of parts protection against loads and overheating.
- Improves oil lubricating properties and tribological parameters of engine units.
- Decreases fuel consumption.
- Increases engine power and acceleration.
- Decreases noise and vibration level.
- Extends engine life span.
- Guarantees wear protection of engine for 100,000 km.

**225 ml**Art. XA 40009
bottle**225 ml**Art. XA 40209
bottle,
compact package**225 ml**Art. XA 40309
gift kit:
bottle, USB
memory stick**225 ml**Art. XA 40409
gift kit: bottle,
keychain

Atomic metal conditioner XADO Tuning



*Product application
results in a partial
engine revitalization.*

Designed for a precise adjustment (tuning) of engine friction parts to each other to ensure the minimal friction loss and maximum output.

Provides reliable protection in heavy engine work mode (urban driving, stop and go traffic, taxi, goods transportation). Ensures additional protection against engine wear during cold starts at low temperatures. It is especially efficient for turbocharged, high-forced and "chipped" engines.

Application instructions

1. Shake the bottle.
2. Add* its content into oil filler neck of the engine warmed up to operating temperature.
3. Start the engine and let it idle for 3-5 min.

* The content of the bottle should be warmed up to the room temperature before application.

Advantages

- Compensates ongoing engine wear.
- Maintains regenerating properties of previously treated surfaces.
- Restores compression in cylinders.
- Increases oil system pressure up to nominal.
- Creates an active system of parts protection against loads and overheating.
- Improves oil lubricating properties and tribological parameters of engine units.
- Decreases noise and vibration level.
- Extends engine life span.
- Decreases fuel consumption.
- Increases engine power and acceleration.

Note

Metal conditioner with revitalizant is effective for gasoline, gas (LPG) and diesel engines of passenger cars and small trucks with the oil system capacity of up to 10 L. It is recommended to use during each oil change for the turbocharged and high-forced engines.

XADO Maximum 1 Stage (RF 100) is recommended to use for the complete revitalization.



225 ml

Art. XA 40010
bottle

225 ml

Art. XA 40210
bottle,
compact package

225 ml

Art. XA 40310
gift kit:
bottle, USB
memory stick

225 ml

Art. XA 40410
gift kit: bottle,
keychain

Atomic metal conditioner **XADO Highway**



Provides reliable engine protection against ongoing wear.

Specially designed for engine protection at high-speed and loaded operation modes.

Application instructions

1. Shake the bottle.
2. Add* its content into oil filler neck of the engine warmed up to operating temperature.
3. Start the engine and let it idle for 3-5 min.

* The content of the bottle should be warmed up to the room temperature before application.

Note

Metal conditioner with revitalizant is effective for gasoline, gas (LPG) and diesel engines of passenger cars and small trucks with the oil system capacity of up to 10 L. It is recommended to use during each oil change.

XADO Maximum 1 Stage (RF 100) is recommended to use for the complete revitalization.

Advantages

- Compensates ongoing engine wear
- Maintains the regenerating properties of already treated surfaces.
- Restores compression in cylinders
- Increases oil system pressure up to nominal
- Creates an active system of parts protection against loads and overheating
- Improves oil lubricating properties and tribological parameters of engine units
- Increases engine powers and acceleration
- Decreases noise and vibration level
- Extends engine life span

XADO Atomic Oils

Application of XADO oils is a guarantee of long service life of the engine, maintenance of its technical conditions at the "like-new" level. It prevents mechanism's aging.



Atomic revitalizant is the main distinctive feature of XADO oils

Having the revitalizant as the main component helps XADO oils to increase their functionality to:

- compensate ongoing parts wear
- increase engine operation reliability and extend its life span
- keep the friction surfaces in perfect condition
- avoid metal loss during break-in and operation
- decrease fuel consumption
- damp extreme loads
- reduce noise and vibration
- protect engine during cold start

Compression, power, engine efficiency will be kept at the top level due to the effect of patented formula of atomic revitalizant included into the composition of XADO Atomic Oil.

About base and additives

Usually consumers distinguish oil according to the type of its base. The world's best base oil is used during the production of XADO oils:

- refined **mineral**;
- **semi-synthetic** based on the hydrocracking synthesis technology;
- **synthetic** based on synthetic hydrocarbons (polyalphaolefines) and esters.

XADO synthetic oils are of the highest quality (level of performance properties).

An obligatory component of the oil is a package of additives which improves the base oil properties. XADO oils production uses the most up-to-date additives of the leading manufactures Lubrizol, Oronite, Infineum.

Combining the best base oils with exclusive additives packages allows XADO to produce the best motor and transmission oils. But it's the atomic revitalizant that makes XADO oils unsurpassed.

Service intervals

The service intervals depend on the engine construction, terms of operation and oil quality. These periods are determined by a car manufacturer.

Oils with extended change intervals are called «long-life».

XADO oils ensure extra extended service intervals.

up to **30 000 km**



For a passenger car with diesel engine

XADO 0W-40 SL/CF, VW 503.01

up to **50 000 km**



For a passenger car with gasoline engine

XADO 5W-40 SL/CF City Line, GM-LL-B-025

up to **150 000 km**



For a truck

XADO 10W-40 Diesel Truck, MB 228.5

About oil quality

Oil quality is a level of its performance properties determined by the requirements of American Petroleum Institute (API) and European Automobile Manufacturer's Association (ACEA), as well as specifications of auto manufacturers such as VW, Mercedes Benz, Opel (GM), etc.

All car manufactures have specific requirements for the oil quality which are listed in a car service manual, for example, API SL, ACEA A3/B4, VW 502 00.

All XADO oils not only meet but exceed the modern requirements.



“Minus 35” rule

Subtract 35 from the first viscosity number and you will get the temperature when the engine will start easily using this oil. For example, oils with SAE 10W-40 viscosity can be used at temperature up to -25°C . ($10 - 35 = -25^{\circ}\text{C}$).

About oil viscosity

One of the key properties of oil is its viscosity. Its density level determines the ease of the engine start at low temperatures as well as the reliable lubrication of its parts during operation.

To identify motor oils according to their viscosity, specialists use the marking of American Society of Automotive Engineers (SAE). The most popular among car owners semi-synthetic oil viscosity is marked as SAE 10W-40.

How to ensure that the oil you buy is a XADO original product?

XADO oils are packed in cans with an original design. This packaging is a reliable protection against a fake while confirming the product origin. Besides, each can's filler cap has a double seal which breaks when opened. This ensures the product is original.

All XADO motor oils have an aromatizer in their composition so you can also distinguish XADO oils from the competition by its fragrance.

To protect our consumers from fakes a program of chemical marking for XADO oils will be started in 2011. This will allow determining product authenticity with the help of special equipment (reagents).

XADO Atomic Oil

0W-20 SN

Easy-flowing, energy saving synthetic motor oil of a new generation. Contains atomic revitalizant. Used in gasoline engines of passenger cars.



Temperature range of application

-35°C — **+45°C**

Advantages

- Developed for modern (car models produced after 2010) American and Japanese cars, requiring application of low-viscosity oils with the highest performance properties.
- Specially designed for cars requiring oils with SAE 0W-20 viscosity (Honda, Acura).
- Ensures proper engine lubrication and protection with high specific power including turbocharged and multi-valve, system of intermediate cooling of the forced air, direct injection, requiring extended service intervals.
- Can be used in hybrid cars and in the cars consuming bio-fuel with ethanol content of up to 85% (B85).
- Due to reduced high-temperature viscosity corresponding to SAE 20 class, it insures fuel economy up to 3% for SAE xW-40 oils and up to 1.5 % for SAE xW-30 oils.

**1 L**

Art. XA 20167

4 L

Art. XA 20267

20 L

Art. XA 20567

60 L

Art. XA 20667

200 L

Art. XA 20767

Package: 1 and 4 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meeting the following requirements and approvals:

SAE 0W-20

API SN

ILSAC GF-5



It is officially licensed by API — **American Petroleum Institute**. Meets the highest requirements for oils for gasoline engines in terms of the performance properties (**IPI SN**) and resource and energy saving (**ILSAC GF-5**).

XADO Atomic Oil 0W-30 SL/CF

Synthetic easy-flowing oil of extra class. Produced on the base of complex synthetic basic oils containing esters and polyalphaolefines. Contains atomic revitalizant.

Temperature range of application

-35 °C — **+45 °C**



Advantages

- Provides perfect performance of gasoline, gas, and diesel car engines in all modes of operation; indispensable for a fast and dynamic driving style.
- Perfect for modern multi-valve turbo-charged engines, including those with intermediate forced air cooling.
- Particularly recommended for engines with prolonged service intervals; saves unique protective properties even in conditions of “extended” after-sale periods (oil changes after 30,000 km - VW 503.01).
- Best for American car engines, including off-road vehicles, where easy-flowing oils are used (with a low high-temperature viscosity SAE 30).
- Has strong adhesion (adherence), i.e. thin protective oil film, which doesn't get into crankcase, always remaining on the lubricating parts of engine
- Due to its easy fluidity, it has excellent energy saving properties, which ensure a significant decrease in fuel consumption.
- Even at the lowest temperatures (up to -35 °C), it quickly gets to all the points of lubricating system and makes engine start extremely easy.
- Accurately sustains optimal pressure in the lubricating system.
- Keeps the engine perfectly clean.

1L Art. XA 20801	4L Art. XA 23801	5L Art. XA 20801	20L Art. XA 23901
60L Art. XA 20701	200L Art. XA 23701		

Package: from 1 to 5 L — can; 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

- SAE 0W-30
- ACEA A3/B4
- API SL/CF



It is officially licensed by API — **American Petroleum Institute** to meet the highest requirements for oils for gasoline engines of passenger cars (**API SL**) and requirements to oils for diesel engines (**API CF**).

Meets the requirements of manufacturer approval:

- VW 503.01
- VW 502.00/505.00
- MB 229.3, 229.1
- BMW Longlife
- Porsche

XADO Atomic Oil 5W-30 SM/CF

Ultra-modern easy-flowing synthetic motor oil. Contains atomic revitalizant.

Temperature range of application

-30 °C — **+45 °C**



Advantages

- Complies with the highest American motor oil requirements for gasoline engines of passenger cars — API SM, officially licensed by the American Petroleum Institute (API).
- Produced based on the "mid SAPS" technology and provides increased output of exhaust gas catalyst and particulate filters (DPF — Diesel Particulate Filter).
- Meets the requirements of a new European quality category: ACEA C3 (oils of the highest performance category with an average content of sulfate soot, sulfur and phosphor).
- Recommended for use in Euro 4 engines (MB 229.31 approval).
- Provides the highest performance level and the best degree of protection and reliable operation of engines.
- Long-life oil; can be used in engines with extended service intervals.

1 L

Art. XA 20105

4 L

Art. XA 20205

20 L

Art. XA 28505

60 L

Art. XA 20605

200 L

Art. XA 20705

Package: 1 and 4 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 5W-30

ACEA A3/B4/C3

API SM/CF



It is officially licensed by API — **American Petroleum Institute** to meet the highest requirements for gasoline engine oils of passenger cars (**API SM**) and requirements for diesel engine oils (**API CF**).

Meets the requirements of manufacturer approval:

VW 502.00/505.00

MB 229.3, 229.31

BMW Longlife-04

XADO Atomic Oil 5W-30 504/507

Synthetic easy-flowing motor oil, meets the requirement VW 504.00/507.00.
Contains atomic revitalizant.



Temperature range of application

-30 °C — **+45 °C**

Advantages

- Specially designed for universal* application in gasoline and diesel engines of passenger cars and small trucks of Volkswagen-Audi group (including Seat and Skoda).
- Ensures extra-extended intervals of after-sale service (up to 30,000 km for gasoline and up to 50,000 km for diesel engines).
- Produced based on «mid SAPS» technology using additives package with reduce content of phosphor, sulfur and low index of sulfate soot. Prevents the clogging of particle filter and catalytic converter, prolongs their life span.
- Ensures reliable lubrication and protection of modern engines (turbocharged, direct injection, Euro-4/5 and other).

* Recommended for application in cars with the following oil requirements: VW 503.00, 506.00, 506.01, 505.01, 502.00, 500.00, 501.01 and 505.00. Not recommended for R5 and V10 engines produced before 2007 (for these engines the oil with VW 506.01 specification is recommended).

1L

Art. XA 20140

4L

Art. XA 20240

20L

Art. XA 20540

60L

Art. XA 20640

200L

Art. XA 20740

Package: 1 and 4 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 5W-30

ACEA A3/B4/C3

API SM/CF

Meets the requirements of manufacturer approval:

VW 504.00/507.00

Porsche C30

BMW Longlife-04

XADO Atomic Oil 5W-30 A5/B5

Synthetic easy-flowing, energy saving motor oil, meets ACEA A5/B5/C1 requirement. Contains atomic revitalizant.



Temperature range of application

-30 °C — **+45 °C**



Advantages

- Meets the requirements of a new European quality class of motor oil ACEA C1*.
- It is used as all-season oil for gasoline, gas and diesel engines of passenger cars and small trucks where the application of energy saving oils with low high-temperature viscosity is recommended (HTHS=2.9...3.5 mPa.s).
- Recommended for Euro-4 (5) engines, extends life span of particle filters and catalytic converters.
- Applied in Ford passenger car engines, where the oil with Ford M2C-934A requirement is recommended.
- Especially effective in Mazda and Volvo passenger car engines, where the application of «low-SAPS» oil is recommended.
- Protects against corrosion and aging, dirt and soot formation during the extra prolonged oil change intervals.
- Ensures fuel saving of more than 2.5% comparing to traditional (non-energy saving) oils with SAE 5W-30 viscosity.

* ACEA C1 approval means energy saving oils of the highest performance category with a low content level of sulfate soot, sulfur and phosphor – “low-SAPS” oils.

20 L

Art. XA 20541

60 L

Art. XA 20641

200 L

Art. XA 20741

Package: 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 5W-30

JASO DL-1 (05)

**ACEA A1/B1,
A5/B5/C1**

Meets the requirements of manufacturer approval:

Ford M2C-934A

XADO Atomic Oil 0W-40 SL/CF

Synthetic oil of extra class. Produced on the base of complex synthetic basic oils containing esters and polyalphaolefines. Contains atomic revitalizant.

Temperature range of application

-35 °C — **+45 °C**



Advantages

- Particularly effective for modern cars with high-forced engines, including those equipped with turbocharger, a system of intermediate forced air cooling, as well as diesel engines with direct injection (DI types).
- Guarantees engine protection at high speed levels. Perfectly maintains sports driving style.
- Is indispensable during new engine break-in period, as it significantly reduces engine parts wear during their adjustment.
- Has unique protective properties, stable even under prolonged oil change intervals that are required by VW 503.01 approval (30,000 km interval).
- Keeps engine parts exclusively clean.
- Guarantees easy engine start at any extremely low (arctic) temperatures.
- Effectively protects engines at critical loads (maximum rotation, overheating, uphill driving, all-wheel driving off the road, rally, trophy, etc.).

1L

Art. XA 20102

4L

Art. XA 20202

20L

Art. XA 28502

60L

Art. XA 20602

200L

Art. XA 20702

Package: 1 and 4 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 0W-40

ACEA A3/B4

API SL/CF

Meets the requirements of manufacturer approval:

VW 503.01

Porsche

VW 502.00/505.00

MB 229.3, 229.1

BMW Longlife

XADO Atomic Oil

0W-40 SL/CF Arctic

Synthetic arctic motor oil. Specially designed for engines operating at extreme low temperatures.
Contains atomic revitalizant.



Temperature range of application

-42 °C — **+45 °C****Advantages**

- Specially designed to be used in vehicles at extremely low (arctic) temperatures.
- Due to the complex synthetic base, the oil has ultimate low-temperature viscous properties and preserves the fluidity up to $-54\text{ }^{\circ}\text{C}$.
- Has excellent pumpability and gets to all lubrication points three times faster compared with regular synthetic oils SAE 5W-40, 5W-30.
- Ensures an exceptionally easy engine cold start at ambient temperature up to $-42\text{ }^{\circ}\text{C}$.
- Due to the wide range of viscosity (SAE 0W-40), it is efficient for all-season application.
- Effectively lubricates and ensures perfect engine work in all operating modes.
- Prevents contaminating particles formation and keeps engine clean.
- Possesses low waste oil consumption properties.

5L

Art. XA 20303

20L

Art. XA 28503

60L

Art. XA 20603

200L

Art. XA 20703

Package: 5 and 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 0W-40**ACEA A3/B3****API SL/CF**

Meets the requirements of manufacturer approval:

VW 500.00/505.00**MB 229.1**

XADO Atomic Oil 5W-40 SM/CF

Ultra-modern synthetic motor oil of the API SM generation. Contains atomic revitalizant.

Temperature range of application

-30 °C — **+45 °C**



Advantages

- Perfect oil for modern high-forced engines including multi-valve, turbocharger and system of intermediate cooling forced air engines.
- Produced based on the "mid SAPS" technology; provides an increased output of exhaust gas catalysts and particle filters.
- Meets the new European quality class requirements: ACEA C3 (highest performance class oils with an average content of sulfate soot, sulfur, and phosphor).
- Recommended for use in Euro 4 engines (MB, BMW).
- Notable for perfect performance level; ensures the highest degree of engine protection and reliable operation.
- Long-life oil; can be used in engines with prolonged oil change intervals.
- Extends life span of the exhaust gases additional purification devices.
- Keeps engine perfectly clean.

1L Art. XA 20122	4L Art. XA 20222	5L Art. XA 20322	20L Art. XA 28522
60L Art. XA 20622	200L Art. XA 20722		

Package: from 1 to 5 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

- SAE 5W-40
- ACEA A3/B4/C3
- API SM/CF



It is officially licensed by **API — American Petroleum Institute** to meet the highest requirements for gasoline engine oils of passenger cars (**API SM**) and requirements for diesel engine oils (**API CF**).

Meets the requirements of manufacturer approval:

- VW 505.01
- BMW Longlife-04
- Porsche A40
- Renault RN0710
- VW 505.00/502.00
- MB 229.3, 229.31
- Ford M2C-917A

XADO Atomic Oil 5W-40 SL/CF

Synthetic easy-flowing highest quality motor oil. Contains atomic revitalizant.



Temperature range of application

-30 °C — **+45 °C**



0,5L

Art. XA 20006

1L

Art. XA 20106

4L

Art. XA 20206

20L

Art. XA 28506

60L

Art. XA 20606

200L

Art. XA 20706

Package: from 0,5 to 4 L — can; 20 L — can;
60 and 200 L — barrel.

Advantages

- Perfect for modern multi-valve engines with turbocharger, including those with intermediate cooling forced air system.
- Provides easy and smooth operation of gasoline, diesel, and gas engines in both city and highway driving conditions, regardless of season.
- Immediately reaches all points of lubrication system even at the lowest temperatures (up to $-30\text{ }^{\circ}\text{C}$).
- Due to its synthetic viscosity, SAE 5W-40 keeps the oil pressure optimal in all engine operation modes.
- Particularly aging-resistant; possesses stable viscous properties of a new synthetic oil (over 15,000 km).
- Keeps engine clean and protects it against corrosion.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 5W-40

ACEA A3/B4

API SL/CF

Meets the requirements of manufacturer approval:

VW 502.00/505.00

MB 229.3

Porsche

BMW Longlife

XADO Atomic Oil 5W-50 SL/CF

Synthetic motor oil with perfect performance properties. Produced on the base of synthetic polyalphaolefine components. Contains atomic revitalizant.



Temperature range of application

-30 °C — **+50 °C**

Advantages

- Indispensable for sports driving lovers, as the revitalizant provides additional protection for the engine against wear during acceleration and prolonged extreme driving mode.
- Especially effective for sports cars and all-wheel drive off-road vehicles, when operating with maximum power and under significant thermal stress.
- Has the highest protective properties which remain stable even with prolonged oil change intervals; meets the requirements of BMW Longlife approval.
- Due to the high viscosity-temperature properties, which correspond to SAE 5W-50 class, it provides fast oil delivery to all lubrication points; reliably protects the engine during cold start and ensures an easy start at very low temperatures.
- Can be used as all-season oil for various models of gasoline, gas, and diesel engines (including high-forced with direct injection and turbocharged types) of passenger cars, small trucks and minibuses.

0,5L

Art. XA 20007

1L

Art. XA 20107

4L

Art. XA 20207

20L

Art. XA 28507

60L

Art. XA 20607

200L

Art. XA 20707

Package: from 0,5 to 4 L — can; 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 5W-50

ACEA A3/B3

API SL/CF

Meets the requirements of manufacturer approval:

VW 501.00/505.00

Porsche

BMW Longlife

XADO Atomic Oil

10W-60 SL/CF Rally Sport

Synthetic racing motor oil of the highest quality. Contains atomic revitalizant.



Temperature range of application

-25 °C — **+55 °C****Advantages**

- Specially designed for extreme operating modes in rally, track and other types of racing.
- Effectively protects the engine against wear at maximum rotations and maximum working temperatures.
- Due to the maximum high-temperature viscosity (SAE 60), it reduces cylinder-piston group gaps and ensures the maximum engine power.

0,5L

Art. XA 20004

1L

Art. XA 20104

4L

Art. XA 20204

20L

Art. XA 28504

60L

Art. XA 20604

200L

Art. XA 20704

Package: from 0,5 to 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 10W-60**ACEA A3/B4****API SL/CF**

Meets the requirements of manufacturer approval:

VW 500.00/505.00**Porsche****BMW****MB 229.1**

XADO Atomic Oil

5W-40 SL/CF City Line

Semi-synthetic easy-flowing motor oil of the highest class produced using hydrocracking synthesis technology. Contains atomic revitalizant.



Temperature range of application

-30 °C — +45 °C**Advantages**

- The best semi-synthetic motor oil with synthetic viscosity is the perfect compromise between oil type and its performance properties level. Specially designed for city driving of passenger cars.
- Provides excellent protection and reliable lubrication of the engine when working in "stop and go" conditions and dynamic cold start.
- Due to excellent low-temperature qualities, provides exceptionally easy cold starts even at the temperatures of up to $-30\text{ }^{\circ}\text{C}$.
- Possesses high stable performance properties at prolonged oil change intervals — up to 50,000 km (GM-LL-B-025 approval).
- High oil fluidity enables significant fuel economy when starting the engine.
- Notable for low oil consumption through burn-out loss.
- Keeps the engine perfectly clean.

0,5L

Art. XA 20008

1L

Art. XA 20108

4L

Art. XA 20208

5L

Art. XA 20308

20L

Art. XA 28508

60L

Art. XA 20608

200L

Art. XA 20708

Package: from 0,5 to 20 L — can; 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 5W-40

ACEA A3/B4

API SL/CF



It is officially licensed by **API — American Petroleum Institute** to meet the requirements for gasoline engine oils of passenger cars (**API SL**) and requirements for diesel engine oils (**API CF**).

Meets the requirements of manufacturer approval:

VW 502.00/505.00

MB 229.3

Porsche

BMW Longlife

GM LL B 025

XADO Atomic Oil 10W-40 SL/CF

Semi-synthetic highest quality motor oil specially designed for engines of passenger cars.



Temperature range of application

-25 °C — **+45 °C**



1 L | **4 L** | **20 L**
Art. XA 20144 | Art. XA 20244 | Art. XA 28544

60 L | **200 L**
Art. XA 20644 | Art. XA 20744

Package: 1 and 4 L — can; 20 L — can;
60 and 200 L — barrel.

Advantages

- Specially designed for engines of modern passenger cars to fit their high specific power and small oil capacity.
- Provides reliable engine lubrication and protection during extended high-load operating modes (highway driving on maximum speed, goods transportation).
- Effective in dynamic modes (acceleration and deceleration during city driving).
- Keeps high performance levels even with extended oil change intervals.
- Ensures stable high protective properties during break-in period and general engine operation.
- Ensures fuel economy through reduction of friction losses, especially when starting the engine or at idling.
- Revitalizant resource-saving properties extend life span of both new and used engines.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 10W-40 | **ACEA A3/B4**
API SL/CF



It is officially licensed by **API — American Petroleum Institute** to meet the requirements for gasoline engine oils of passenger cars (**API SL**) and requirements for diesel engine oils (**API CF**).

Meets the requirements of manufacturer approval:

VW 502.00/505.00 | **MB 229.1** | **Porsche**
BMW Special Oil | **MB 229.3**

XADO Atomic Oil
10W-30 SL/CF

Top-quality easy-flowing mineral motor oil. Contains atomic revitalizant.



Temperature range of application

-25 °C — **+45 °C**

Advantages

- Used in gasoline, gas and diesel engines of passenger cars, minibuses and small trucks in any operating modes.
- Specially designed for use in modern multi-valve engines with turbocharger in maximum power modes.
- Especially beneficial for intensive city driving (frequent stops, acceleration and deceleration, idling) due to high fluidity (SAE 30) at working temperatures.
- Perfectly lubricates and washes engine parts, hence is recommended for breaking-in of new cars and cars under warranty; ensures extra fuel economy up to 3% in comparison with the etalon oil.
- The complex base and special defoaming components ensure high stability of oil film in high-load operating modes and high temperatures.
- Keeps engine perfectly clean.

1L

Art. XA 20111

4L

Art. XA 20211

5L

Art. XA 20311

20L

Art. XA 28511

60L

Art. XA 20611

200L

Art. XA 20711

Package: from 1 to 5 L — can; 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

- SAE 10W-30**
- API SL/CF**

ACEA A3/B4

Meets the requirements of manufacturer approval:

VW 500.00/505.00

MB 229.1

XADO Atomic Oil 5W-30 Diesel Truck

Synthetic easy-flowing motor oil for ultra high-performance diesel engines (UHPD) with extra-extended intervals of after-sale service. Contains atomic revitalizant.



Temperature range of application

-30°C — **+45°C**

Advantages

- Specially designed for modern truck engines Euro-IV (equipped with turbocharger, exhaust gas recirculation system etc.)
- Possesses unique performance characteristics ensuring extra-extended change intervals (up to 120,000 km, MB 228.5).
- Especially effective for vehicles operating at low temperatures. Due to low-viscous synthetic formula, it guarantees easy engine start at up to -35° C.
- Has excellent energy-saving properties and ensures fuel economy of 3% with respect to SAE 10W-40 oils.
- Due to very high total base number (TBN>15.0), it reliably protects engine even when using fuel with increased sulfur content (S<0.5%).

20L

Art. XA 20539

60L

Art. XA 20639

200L

Art. XA 20739

Package: 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 5W-30

ACEA E4/E7

Meets the requirements of manufacturer approval:

MB 228.3, 228.5

MAN 3277

DAF HP 1/HP 2

Scania LDF

Volvo VDS-2, 3

MTU type 3

Renault RXD

Mack EO/M plus

Cummins 20071/2/5/7

XADO Atomic Oil 10W-40 E4/E6/E7

Synthetic motor oil of "low-SAPS" technology for ultra high-performance diesel engines (UHPD).
Contains atomic revitalizant.



Temperature range of application

-25 °C — **+45 °C**



Advantages

- Specially designed for a new generation of high-forced engines of heavy vehicles requiring «low SAPS»* oils and equipped with the exhaust gas recirculation system (EGR)/particle filter (DPF)/ selective catalytic reduction.
- Meets the highest requirements of Mercedes Benz MB 228.51, MAN M3477 (ACEA E6) for oils for diesel engines Euro IV (V) with reduced level of toxicity and extended service intervals.
- Can be used in Euro III trucks, where the application of ACEA E4, Mercedes Benz MB 228.5, MAN M3277 Renault RXD, DAF HP-2 and other oils is recommended.
- The additives package provides additional energy-saving properties and keeps both oil and engine clean for the whole service term.
- Excellent for extra prolonged service intervals in accordance with the recommendations of engine manufacturer, operation conditions and filtration type (up to 150,000 km, MAN M3477).

20 L

Art. XA 20545

60 L

Art. XA 20645

200 L

Art. XA 20745

Package: 20 L — can; 60 and 200 L — barrel.

* Low SAPS — oil with low content of sulphated ash, Phosphorus and Sulphur.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 10W-40

ACEA E4/E6/E7

Meets the requirements of manufacturer approval:

MB 228.5/228.51/226.9

MAN M3277, M3477

MTU Type 3 and 3.1

DAF HP-2

Volvo VDS-3

Renault: RXD

Deutz DDQ-III

XADO Atomic Oil

10W-40 Diesel Truck

Top-quality semi-synthetic motor oil for diesel engines of heavy-duty trucks. Contains atomic revitalizant.



Temperature range of application

-25°C — **+45°C**

Advantages

- Ensures reliable performance of heavy-duty truck engines in any operation conditions, including maximum speed, loads and long-distance trips.
- Especially recommended for vehicles specializing in international transportation: long-distance buses and tractor-trailers.
- Ensures unique performance level and extra extended service intervals (over 120,000 km, MB 228.5)
- Due to very high total base number (TBN >15,0), it ensures effective engine protection even with the use of high sulfur content fuel.
- Keeps engine in top condition and noticeably reduces maintenance costs.
- Ensures complete fuel burning, considerably reduces harmful emissions to the atmosphere.
- The presence of the revitalizant plays a key role in protecting engine and turbocharger against wear and cylinder walls against buffing, extending engine life span by 2-3 times.

1 L

Art. XA 20110

5 L

Art. XA 20310

20 L

Art. XA 28510

60 L

Art. XA 20610

200 L

Art. XA 20710

Package: 1 and 5 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 10W-40

ACEA E4/E7

API CI-4/CH-4/CG-4/CF-4/CF

Meets the requirements of manufacturer approval:

MB 228.5

Volvo VDS-2, VDS-3

MTU/DDC type 3

DAF HP-2

Cummins CES 20071/2/7, (20078)



Is officially licensed by API — American Petroleum Institute to meet the top world standards both for gasoline (API SL) and diesel engines (API CI-4).

Scania LDF

MAN 3277

Deutz DDQ-III

Renault RXD/RLD-2

XADO Atomic Oil 10W-40 SL/CI-4

Motor oil of hydrocracking synthesis technology with high performance level. Contains atomic revitalizant.



Temperature range of application

-25 °C — **+45 °C**

Advantages

- Universal application for different engines of passenger cars, minibuses, small and heavy-duty trucks, tractor-trailers and buses.
- Especially effective for all-season use for passenger car engines (including multi-valve turbocharged engines, diesel engines with direct injection).
- Ensures high protective properties during both break-in period and the rest of the engine life.
- Reduces oil consumption due to the decrease of friction losses, especially during engine start and idling.
- Guaranteed resource increase of both new and used engine due to resource-saving revitalization effect.

1L

Art. XA 20109

4L

Art. XA 20209

5L

Art. XA 20309

20L

Art. XA 28509

60L

Art. XA 20609

200L

Art. XA 20709

Package: 1 and 5 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 10W-40

ACEA A3/B4/E7

API SL/CI-4 Plus/CI-4/CH-4/CG-4/CF-4/CF

Global DHD-1



Is officially licensed by **API — American Petroleum Institute** to meet the standards both for gasoline (**API SL**) and diesel engines (**API CI-4**).

Meets the requirements of manufacturer approval:

VW 500.00/505.00

MB 228.3, 229.1

Volvo VDS-2, VDS-3

Renault (RVI) RLD

Mack EO/M PLUS

MTU Type 2

Cummins 20,071/2/6/7/8

Allison C-4

MAN 3275

ZF TE-ML 02C/03A/04B/04C/07C

XADO Atomic Oil 10W-40 CI-4 Diesel

Top quality semi-synthetic oil for diesel engines of passenger cars, small and heavy trucks, buses and minibuses. Contains atomic revitalizant.



Temperature range of application
-25°C — +45°C

Advantages

- Designed specifically for diesel engines.
- Very effective for modern high-forced engines (including turbocharged and multi-valve, direct injection and equipped with gas recirculation system);
- Provides engine protection when using high sulfur content fuel (S < 0.5%)
- Ensures high protection levels during break-in and the main period of engine operation.
- Has high performance level reserve and stability during extended service intervals (up to 100,000 km in Volvo Euro-3, VDS-3 engines).
- Ensures fuel economy through reduction of friction losses, especially when starting the engine or idling.
- Keeps engine clean, neutralizes soot in the oil.
- Prolongs engine life span by 2-3 times and significantly reduces maintenance costs.
- Extends service life of both new and used engine due to resource-saving effect of the revitalizant.

1 L Art. XA 20149	4 L Art. XA 20249	20 L Art. XA 20549
60 L Art. XA 20649	200 L Art. XA 20749	

Package: 1 and 4 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 10W-40	ACEA B4/E7
API CI-4 Plus/CI-4	Global DHD-1



Is officially licensed by **API — American Petroleum Institute** to meet the requirements for oils for diesel engines (API CI-4).

Meets the requirements of manufacturer approval:

Volvo VDS-2, VDS-3	MAN 3275	Renault RLD	Renault (RVI) RLD
VW 505.00	MB 228.3	Mack EO/M Plus	Allison C-4
MTU/DDC type 2	Cummins CES 20071/2/6/7/8	ZF TE-ML 02C/03A/04B/04C/07C	

XADO Atomic Oil 15W-40 SM/CJ-4

Semi-synthetic motor oil for super high performance diesel engines (SHPD), meets the American requirements API CJ-4, can be used in gasoline engines, meets the requirements API SM. Contains atomic revitalizant.



Temperature range of application

-20 °C — **+45 °C**

Advantages

- Meets European, American and Japanese requirements for diesel engines oils with Euro 4(5) emissions toxicity standards.
- Designed for diesel engines of American trucks including those equipped with exhaust gas recirculation system (EGR) and/or particle filter (DPF), compatible with ultra-low sulfur content fuel (up to 0.05%).
- Possesses exceptional oxidizing and thermal stability.
- Has strong detergent-dispersant properties.
- Guarantees reliable engine protection during extended service intervals (according to the manufacturer recommendations up to 100,000 km).
- Compensates current wear of engine units and parts keeping it at the top technical level.

20 L

Art. XA 20547

60 L

Art. XA 20647

200 L

Art. XA 20747

Package: 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

- | | |
|--------------------|---------------------|
| SAE 15W-40 | ACEA E7/E9 |
| API SM/CJ-4 | Global DHD-1 |

Meets the requirements of manufacturer approval:

- | | | | |
|--------------------------------------|--------------------|-------------------------------|--------------------------|
| Volvo VDS-4 | MTU type II | Renault RLD-3 | Cummins CES 20081 |
| MB 228.31 | MAN M3275 | Mack EO-O Premium Plus | DDC PGOS 93 K 218 |
| Caterpillar ECF-3/ECF-2/ECF-1 | | | |



Is officially licensed by **API — American Petroleum Institute** to meet the highest world standards both for gasoline (**API SM**) and diesel engines (**API CJ-4**).

XADO Atomic Oil 15W-40 CI-4 Diesel

Special top-quality motor oil for diesel engines. Contains atomic revitalizant.



Temperature range of application

-20°C — **+45°C**

Advantages

- Ensures the top level of reliability of diesel engines in all operating modes.
- Used in all types of passenger car and truck diesel engines, as well as special ground equipment.
- Ideal for the engines with exhaust gas recirculation (EGR) and especially recommended for diesel engines Euro-3 (Euro-2).
- Extends life span of the engine and reduces its maintenance costs.
- Provides perfect protection for the turbocharger.
- Has unique performance reserve ensuring service intervals up to 100, 000 km for Euro-3 engines.
- High engine protection when using high-sulfur fuel (sulfur content up to 0.5%).
- Keeps engine clean, neutralizes soot pollution of the oil.
- Eco-friendly; reduces harmful emissions.
- Ensures easy start at low temperatures and engine lubrication in intensive operating modes and high temperatures.

1 L | **4 L** | **5 L** | **20 L**
Art. XA 20114 | Art. XA 20214 | Art. XA 20314 | Art. XA 28514

60 L | **200 L**
Art. XA 20614 | Art. XA 20714

Package: from 1 to 5 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

- SAE 15W-40
- ACEA B4/E7
- API CI-4/CH-4/CG-4/CF-4/CF
- Global DHD-1

Meets the requirements of manufacturer approval:

- VW 505.00
- Cummins 20,072/1/6/7/8
- Renault (RVI) RLD
- MB 228.3



Is officially licensed by API — American Petroleum Institute to meet the highest world standards for diesel engines (API CI-4).

- Volvo VDS-3, VDS-2
- MAN 3275
- Mack EO/M Plus

XADO Atomic Oil 15W-40 SL/CI-4

Universal mineral motor oil with high performance level. Contains atomic revitalizant.



Temperature range of application

-20°C — **+45°C**

Advantages

- Universal application and effective protection of passenger cars and trucks engines.
- Especially effective for all-season use for diesel engines, including those with exhaust gas recirculation system.
- Viscosity index 40 ensures the pressure-maintaining capability in the oil system even at high temperatures.
- Recommended for heavily loaded vehicles.
- Due to revitalizant the oil significantly improves engine reliability, especially under intense operating conditions. Indispensable for diesel engines.
- Keeps optimal fluidity even after 30,000 km.
- Stable to oxidation, prevents deposit formation and retains all useful properties for the whole service life.
- Successfully neutralizes the soot in the oil and protects turbochargers.
- Due to unique resource-saving properties of the revitalizant, XADO Atomic Oil 15W-40 SL/CI-4 extends engine resource of both new and used cars.

0,5L Art. XA 20013	1L Art. XA 20113	4L Art. XA 20213	5L Art. XA 20313
20L Art. XA 28513	60L Art. XA 20613	200L Art. XA 20713	

Package: from 0.5 to 5 L — can; 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

- SAE 15W-40
- ACEA A3/B4/E7
- API SL/CI-4/CH-4/CG-4/CF-4/CF
- Global DHD-1



Is officially licensed by **API — American Petroleum Institute** to meet the highest world standards both for gasoline (**API SL**) and diesel engines (**API CI-4**).

Meets the requirements of manufacturer approval:

- VW 501.01/505.00
- MB 228.3, 229.1
- Volvo VDS-2
- Renault (RVI) RLD
- MAN 3275
- Mack EO/M PLUS
- Cummins 20,072/1/6/7/8

XADO Atomic Oil 15W-40 SJ/CG-4 Silver

High-quality universal mineral motor oil. Contains atomic revitalizant.



20L Art. XA 28530	60L Art. XA 20630	200L Art. XA 20730
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Package: 20 L — can; 60 and 200 L — barrel.



Temperature range of application

-20°C — **+45°C**

Advantages

- Provides effective lubrication and reliable engine protection of passenger car and trucks in normal and loaded operating modes.
- Universal application for gasoline and diesel engines, including multi-valve and turbocharged, and catalytic converter equipped engines.
- Can be used in VAZ cars (including 2109, 2110 models), GAZ, ZAZ, KamAZ, MAZ and others.
- Ensures perfect protection of all engine parts against wear, rust and corrosion.
- Perfect detergent-dispersant properties, keeps engine clean in any operating mode.
- Due to high total base number (TBN=10 mgKOH/g) provides effective engine protection even with high sulfur fuel (S<0.5%).
- Stable to oxidation and aging, keeps stable viscosity properties up to 20,000 km.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 15W-40	ACEA E2/B3/A2
API CG-4/CF-4/CF/SJ	

Meets the requirements of manufacturer approval:

Volvo VDS	MAN 271
MB 228.1/229.1	VW 505.00/501.01
Mack EO-L	Mack EO-L Plus

XADO Atomic Oil 10W-40 SG/CF-4 Silver

High quality multi-grade mineral motor oil. The best oil for mixed fleet and trucking companies.
Contains atomic revitalizant.



Temperature range of application

-25°C — **+45°C**

Advantages

- Provides effective lubrication and protection of passenger car and truck engines in normal and loaded operating modes.
- Universal application for gasoline and diesel engines, including multi-valve, turbocharger and catalyst converter-equipped.
- Exceeds GOST requirements and can be used in VAZ automobiles (including 2109, 2110 models), GAZ, ZAZ, KamAZ, MAZ etc.
- Has the widest temperature range of all mineral motor oils, guarantees an easy engine cold start at temperatures below - 25°C, and does not freeze up to - 36°C.
- Protects all engine parts against wear, rust and corrosion.
- Possesses excellent detergent-dispersant properties, keeps engine clean.
- Very effective when using high sulfur content fuel (S<0.5%).
- Stable to oxidation and aging, keeps viscosity properties after 15,000 km.

1L

Art. XA 20123

5L

Art. XA 20323

20L

Art. XA 28523

60L

Art. XA 20623

200L

Art. XA 20723

Package: 1 and 5 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

- SAE 10W-40
- API SG/CF-4
- CCMC G4/D4/PD-2

- MIL-L-46152 EC
- MIL-L-2104 D

Meets the requirements of manufacturer approval:

- GM 6085-M
- FORD M2C-153C

XADO Atomic Oil 20W-50 SL/CI-4

Top quality high-viscosity mineral motor oil. Contains atomic revitalizant.



Temperature range of application

-15 °C — **+50 °C**



Advantages

- Specially designed for vehicles in intensive operating modes at high ambient temperatures (up to 50 °C).
- Lubricates the engine at its highest working temperatures and maximum rotations.
- Due to high-temperature viscosity (SAE 50), it reduces gaps in the cylinder-piston group decreasing oil consumption.
- Possesses exceptional operating properties and is used in the engines with extended service intervals (up to 45,000 km for Volvo VDS-2)
- Prevents deposit formation and keeps engine clean.

1 L | **4 L** | **20 L**
Art. XA 20115 | Art. XA 20215 | Art. XA 28515

60 L | **200 L**
Art. XA 20615 | Art. XA 20715

Package: 1 and 4 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

- SAE 20W-50
- ACEA A3/B4/E7
- API SL/CI-4/CH-4/CG-4/CF-4/CF
- Global DHD-1

Meets the requirements of manufacturer approval:

- MB 228.3, 229.1
- Volvo VDS-2
- Mack EO/M Plus
- Renault (RVI) RLD
- Caterpillar ECF1
- MAN 3275
- Cummins 20,072/1/6/7/8
- ZF 04C/07C

XADO Atomic Oil

10W-60 4T MA

High-quality synthetic motor oil for 4-stroke engines of motor equipment. Contains atomic revitalizant.

**1 L**

Art. XA 20128

20 L

Art. XA 28528

60 L

Art. XA 20628

200 L

Art. XA 20728

Package: 1 L — can;
20 L — can; 60 and 200 L — barrel.



Temperature range of application

-30 °C — +45 °C**Advantages**

- Specially designed for motorcycle engines operating in maximum speed mode.
- Very effective for high-speed power engines of sports motorcycles and all terrain vehicles (ATV).
- Due to the special high-viscosity formula, the oil creates a very strong oil film; it withstands extreme dynamic loads in motorsport.
- Effective in extended overheating conditions and during engine maximum rotation operation.
- Ensures extremely low oil consumption due to minimizing oil evaporation and burn-out loss.
- Makes the gear shift smoother and provides stable friction properties of clutch systems in oil bath;
- Protects units against corrosion and keeps engine parts clean;
- Equalizes compression and improves engine power;
- Improves acceleration dynamics of a motorcycle engine.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 10W-60**API SL****JASO MA**

XADO Atomic Oil

10W-40 4T MA Super Synthetic

Super synthetic oil for 4-stroke engines of motor equipment. Contains atomic revitalizant.



Temperature range of application

-30 °C — **+45 °C**

Advantages

- Used in 4-stroke engines of motorcycles, scooters, all terrain vehicles and other motor equipment.
- Specially designed for modern forced 4-stroke engines of motorcycles, operating under heavy loads (high speed, long-term maximum and/or dynamic loads);
- Very effective for engines of road and off-road motorcycles with integrated (or separated) transmission.
- Ensures smooth gear shift and provides reliable clutch operation in the oil bath.
- Due to the improved detergent properties, the oil keeps the engine perfectly clean.

1 L

Art. XA 20132

20 L

Art. XA 28532

60 L

Art. XA 20632

200 L

Art. XA 20732

Package: 1 L — can;
20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 10W-40

API SL

JASO MA

XADO Atomic Oil 2T FC

Synthetic low-smoke oil for engines of motor equipment. Contains atomic revitalizant.



Temperature range of application

-21 °C — **+45 °C**

Advantages

- Used in engines of motorcycles, scooters, snowmobiles, lawn mowers, saws, petrol power generators and other motor equipment for air- or water-cooled engines.
- Specially designed for two-stroke engines operating under maximum loads and at high temperatures.
- Effective engine protection in short-time overload conditions.
- Due to «low-smoke» formula, the oil keeps engine clean and prevents deposit formation in combustion chamber and exhaust windows.

20 ml

Art. XA 20216

0,5L

Art. XA 20016

1L

Art. XA 20116

20L

Art. XA 28516

60L

Art. XA 20616

200L

Art. XA 20716

Package: 20 ml — packet;
from 0,5 to 4 L — can;
20 L — can; 60 and 200 L — barrel.

Information about application

XADO Atomic Oil 2T FC is used mixed with fuel at a ratio of 1:50 for engines with mixed lubricating system unless otherwise stated by the equipment manufacturer.

Requirements and approvals

Meets the requirements of the following specifications:

API TC

JASO FC (Low Smoke)

ISO-L-EGC

XADO Atomic Oil TC W3

Mineral motor oil for water motor equipment engines. Contains atomic revitalizant.

Temperature range of application

-18 °C — **+45 °C**



Advantages

- Specially designed for modern high-load two-stroke water-cooled outboard engines.
- Keeps engine clean, prevents deposit formation in combustion chamber and exhaust windows.
- Oil burns up completely due to the “ash-free” formula, leaving no deposits on spark plugs.
- Prevents corrosion formation on engine parts during long storage periods.
- Eco-friendly; reduces harmful substance content in exhaust gases.

20 ml

Art. XA 20217

0,5L

Art. XA 20017

1L

Art. XA 20117

20L

Art. XA 28517

60L

Art. XA 20617

200L

Art. XA 20717

Package: 20 ml — packet;
from 0,5 to 4 L — can;
20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

NMMA TC-W3

API TD

Information about application

XADO Atomic Oil TC W-3 is used mixed with fuel at a ratio of 1:100 for engines with mixed lubricating system unless otherwise stated by the equipment manufacturer.

XADO Atomic Oil

75W-90 GL-3/4/5

Modern super-universal synthetic oil for mechanical transmissions. Contains atomic revitalizant.



Temperature range of application

-40 °C — **+45 °C**

Advantages

- Universal in application for all mechanical transmission units (gear boxes, transfer cases, differentials) of passenger cars and trucks. Recommended for transmission units of modern cars using easy-flowing synthetic oils.
- Provides comfortable gear shift due to perfect working gears synchronization.
- Especially effective for high-loaded hypoid gears and limited slip differentials.
- Possesses extremely stable properties (resistant to oxidation and aging), ensures maximum possible service intervals and is used in the mechanisms with one-time oil filling for the whole period of operation.
- Perfect fluidity of the oil ensures easy start and smooth transmission operation at very low temperatures (up to -40 °C).

0,5L

Art. XA 20018

1L

Art. XA 20118

20L

Art. XA 28518

60L

Art. XA 20618

200L

Art. XA 20718

Package: 0,5 and 5 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

- SAE 75W-90
- API GL 3/4/5
- API MT 1
- MIL PRF 2105E
- MIL L2105 B/C/D/E

Meets the requirements of manufacturer approval:

- MAN 341 SL, 342 SL, 3343 SL
- DAF ZF TE ML 02
- Volvo 97310
- ZF TE ML 01, 02, 05, 07, 08
- Scania STO 1:0

XADO Atomic Oil 75W-80 GL-4

Modern semi-synthetic oils for mechanical transmissions. Contains atomic revitalizant.



Temperature range of application

-40 °C — **+45 °C**

Advantages

- Specially designed for modern high-loaded gear boxes.
- Used in transfer cases, differentials (axles) of passenger cars and trucks where oil with API GL-4 specification is recommended.
- It is produced on the base of semi-synthetic basic oil using hydrocracking synthesis technology.
- Exceeds the level of highest American and European standards to transmission oils for mechanical gear boxes of passenger cars.
- Provides the highest level of mechanical transmission units protection.
- Perfect wear-resistance in any operating modes, including extreme (high torques at increased temperature).
- Possesses stable properties (resistant to aging and oxidation), according to manufacturer recommendations can be used in gear boxes with extra prolonged service intervals (up to 300,000 km).
- Has comparatively low viscosity which ensures additional energy saving and especially smooth gear shift at low temperatures (up to -40° C).
- Due to its synthetic components the oils keeps high lubricating properties at increased temperatures.

1L

Art. XA 20131

20L

Art. XA 28531

60L

Art. XA 20631

200L

Art. XA 20731

Package: 1 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 75W-80

API GL-4

Meets the requirements of manufacturer approval:

MB 235.4

Renault trucks

Volvo 97307

DAF (up to 300.000 km)

**MAN 341 TL/
MAN 341 type Z-3**

Eaton Long Drain

ZF TE-ML 02 D

XADO Atomic Oil

80W-90 GL-3/4/5

Top-quality multi-grade mineral oil for all units of mechanical transmissions. Contains atomic revitalizant.



Temperature range of application

-25 °C — +45 °C**Advantages**

- Universal application for all units of mechanical transmissions of cars and trucks (gear boxes, transfer cases, axles, differentials).
- Improves synchromesh operation and gear shift accuracy.
- Especially effective for heavy-loaded hypoid gears and self-locking differentials.
- Due to atomic revitalizant the oil compensates current wear of all toothings and gearing types from ferrous and nonferrous metals, increases their service life.
- Has a highly stable performance level in extended operating modes; is used in transmission mechanisms with one-time filling for the whole service life.
- Resistant to oxidation and aging at very high temperatures (above 150 °C) and under extreme loads (more than 3000 MPa).
- Reduces fuel consumption, especially in all-wheel-drive vehicles.
- Protects transmission units in case of oil leakage.

0,5L

Art. XA 20019

1L

Art. XA 20119

20L

Art. XA 28519

60L

Art. XA 20619

200L

Art. XA 20719

Package: 0,5 and 1 L — can; 20 L — can;
60 and 200 L — barrel.**Requirements and approvals**

Meets the requirements of the following specifications:

- SAE 80W-90
- MIL-PRF-2105E
- API GL 3/4/5
- MIL-L2105 B/C/D/E
- API MT-1

Meets the requirements of manufacturer approval:

- MAN 341, 342, 334ML, 3343M
- Volvo 97310
- Scania STO 1:0, 2:0
- ZF TE-ML 01, 02, 05, 07, 08

XADO Atomic Oil 85W-140 GL 5 LSD

Top-quality high viscosity mineral oil for units of mechanical transmissions. Contains atomic revitalizant.



Temperature range of application

-20 °C — **+45 °C**

Advantages

- Specially intended for limited slip differentials (LSD).
- Is used year-round in main gears of all types including hypoid, with disc and conical limited slip differentials; reducers and transfer cases of passenger cars and trucks, as well as other equipment where the application of API GL 5and/or MIL-L 2105D is recommended.
- Provides the highest protection level of main gears and differentials of all types.
- Ensures coupling smoothness of LSD switching-on and prevents the «stick-slip» effect.
- Wear-resistant in any operating modes including extreme.
- Possesses highly stable properties (resistant to aging and oxidation); can be used in mechanisms with one-time filling for the whole service life.
- Keeps transmission mechanisms clean and prevents corrosion formation.

0,5L

Art. XA 20021

1L

Art. XA 20121

20L

Art. XA 28521

60L

Art. XA 20621

200L

Art. XA 20721

Package: 0,5 and 1 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

SAE 85W-140

MIL-L2105 D

API GL 5 LS

XADO Atomic Oil ATF III/IV/V

Super-universal synthetic oil for automatic transmissions.
Contains atomic revitalizant.

Temperature range of application

-40°C — **+50°C**



Advantages

- Exceeds the requirements of Dexron® IIIH, Toyota Type T-IV, Mercon® V.
- Designed for automatic transmissions of modern vehicles of the leading manufacturers (General Motors, Ford, Chrysler, BMW, Toyota, Nissan, Mitsubishi, etc.).
- The key oil characteristic is its universal use to ensure the highest reliability of modern automatic transmissions of American, European, Japanese and Asian car manufacturers.
- Due to stable friction properties, the oil guarantees very easy and smooth gear shifting, functioning like a new oil even after prolonged operation intervals.
- Has an improved performance level and can be used in modern automatic transmissions with complex configuration and low-oil consumption.
- Improves the accuracy of gear box and hydraulic system operation, ensuring comfortable driving.
- Long-life oil that can be used in automatic transmissions with one-time filling for a whole operation term.

1 L Art. XA 20129	20 L Art. XA 28529	60 L Art. XA 20629	200 L Art. XA 20729
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Package: 1 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

GM: Dexron III (H)

Toyota: Type T-IV

Ford: Mercon V

Meets the requirements of manufacturer approval:

GM: Dexron III (F, G and H); II-E, II-D, B, AQ-ATF type A

BMW LT-2

Hyundai-Mitsubishi: SP, II, III

Mazda M-III

Audi G-055-025-A

Honda ATF-Z1

MB 236.1...236.9

Nissan Matic-D, J and K

Chrysler: Mopar ATF, ATF 2 (type 7176), ATF 3, ATF 4

Toyota: Type T-IV, T-III, T

Saab 93 165 147

Subaru KO410Y0700

Ford: Mercon V, Mercon; M2C 138-CJ, M2C 166-H

Volvo 1161540

VW G 052 162 A1

MAN 339 TYPE D&F; Z1/V2 and Z2

XADO Atomic Oil

ATF VI

Synthetic transmission fluid for automatic transmissions with unsurpassed performance level.
Contains atomic revitalizant.



Temperature range of application

-54 °C — **+50 °C**

Advantages

- Specially designed for six-speed automatic transmissions Hydra-Matic by General Motors (GM), it provides 400,000 km service intervals!
- Service intervals can be doubled in automatic transmissions of GM vehicles, where fluids of previous specifications (DEXRON-III, II) are recommended.
- Improves automatic transmission friction clutches operation, ensures smooth shifting.
- Increases operating reliability and extends service life of control gears.
- Effectively transfers engine torque.
- Has high fluidity at low temperatures (up to -54 °C), ensures quick transmission start.
- Protects from corrosion, keeps transmission clean, prevents foam formation and keeps seal elasticity.
- Reduces fuel consumption due to decreased high-temperature viscosity.

0,5L

Art. XA 20024

1L

Art. XA 20124

20L

Art. XA 28524

60L

Art. XA 20624

200L

Art. XA 20724

Package: 0,5 and 1 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

GM Dexron VI, III, II

Ford Mercon LV, SP

Toyota WS

XADO Atomic Oil

ATF III

Top quality mineral oil for automatic transmissions and hydraulic systems. Contains atomic revitalizant.



Temperature range of application

-42 °C — **+50 °C**

Advantages

- Specially designed for automatic transmissions of vehicles produced after 1995, also recommended for earlier produced vehicles.
- Increases automatic transmission operation reliability.
- Atomic revitalizant plays a key role in protecting of bearings, spool-and-sleeves, sleeve parts, gears from wear and prolongs transmission life span.
- Improves operation of automatic transmission friction clutches and provides smooth gear shifting.
- Guarantees full stability of friction properties (like a new oil) during extended service life – over 90,000 km.
- Due to its high fluidity, provides quick return to working conditions, it has low freezing point (below -42 °C).
- Damps extreme loads.
- Protects transmission elements and control mechanisms from corrosion during extended downtimes.

Is used in hydraulic power steering systems and mechanical transmissions according to car manufacturer instructions.

0,5L

Art. XA 20020

1L

Art. XA 20120

20L

Art. XA 28520

60L

Art. XA 20620

200L

Art. XA 20720

Package: 0,5 and 1 L — can; 20 L — can;
60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

GM Dexron III

Ford Mercon

Meets the requirements of manufacturer approval:

GM Dexron III /II-E
/II-D /Type A

Ford Mercon

MB 236.1

ZF TE-ML 11, 14

Voith

Allison C-4

Caterpillar TO-2

XADO Atomic Oil CHF

Latest generation synthetic fluid for automobile hydraulic systems. Contains atomic revitalizant.

The best fluid for hydraulic booster and integrated (central) automobile hydraulic system, including servo-drive of steering control, clearance control system, servo-drive of brake system and other units. Used in the steering system and central hydraulic systems of current Audi, VW, Volvo, MB, Alfa Romeo, BMW, Opel models, etc.



0,5L

Art. XA 20025

1 L

Art. XA 20125

20L

Art. XA 28525

Package:
can.



Requirements and approvals

Meets the requirements of the following specifications:

DIN 51524 part 2

ISO 7308

Meets the requirements of manufacturer approval:

Peugeot B 71 2710

Volvo STD 1273.36

Mercedes Benz
sheet 345

Opel B0400070

Porsche

BMW 81 22 9 407 758

Skoda/Seat:
VW TL 521 46

Audi/VW: VW TL 521 46 (G00200)

Saab

Deutz 2940929

Nissan

MAN 3623/93

Rolls Royce

Fendt X902.011.622

XADO Atomic Oil LHM

High-quality mineral fluid for automobile hydraulic systems. Contains atomic revitalizant.



Special mineral-based hydraulic fluid for hydro-pneumatic suspensions of Citroën vehicles. Used in hydraulic systems of other passenger cars and trucks with power steering or integrated hydraulic systems (hydraulic power steering, suspension, servo-drive of brake system and transmission), where the manufacturer recommends to use LHM-type fluids.

0,5L

Art. XA 20026

1L

Art. XA 20126

20L

Art. XA 28526

60L

Art. XA 20626

200L

Art. XA 20726

Package: 0,5 and 1 L — can;
20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

ISO 7308 PSA

AFNOR NF R 12-640

Citroën PSA-B-71 2710

XADO protective grease

Universal consistent grease.
Contains atomic revitalizant.

Compensates wear up to 10%.

Is designed for unit and mechanism protection in high load conditions, also protects friction surfaces against wear. Removes factory defects of new frictionless bearings. Extends the parts life span by 2-4 times. Is a universal substitute for any multipurpose lithium grease.

- Extends the joints life span.
- Restores scratches and microcracks.
- Reduces noise and vibration.
- Improves the treatment coefficient Ra up to 0.06 mkm.
- Contributes to energy saving.

Note:

The grease is effective for bearings protection against wear (up to 10,000 rpm).

It is recommended for new joints and parts.

Compatible with automobile and industrial lithium greases of all types, can be mixed with them at any ratio.



12 ml

Art. XA 30101
packet from foil-clad cellophane



125 ml

Art. XA 30201
plastic tube

400 ml

Art. XA 30401
aerosol can



450 ml

Art. XA 30001
grease gun cartridge

Requirements

Meets the requirements of the following specifications:

- NLGI 3 (ASTM D217)
- KP3K-20 (DIN 51502)
- ISO-L-XBCEB 3 (ISO 6743-9)



Universal consistent grease.

Contains atomic revitalizant. Compensates wear up to 80%.

Designed for repair of units and mechanisms operating in high load conditions. A new cermet coating is formed on the surface of friction pairs: the parts grow in volume and restore their original geometry.

The grease can restore high-speed and heavily-loaded units which are beyond traditional repair; can transfer its properties to any other regular grease.

XADO repairing grease

- Restores geometry of parts
- Restores scratches and microcracks.
- Reduces noise and vibration.
- Removes surface defects and corrosion tracks
- Stable to high-speed vibration.

XADO restoring grease

**Universal consistent grease.
Contains revitalizant.**

Compensates wear up to 50 %.

It is designed for repair of units and mechanisms operating under high load conditions. It forms a cermet coating on the friction pairs: the parts restore their original geometry. Extends parts life span by 2-4 times.

- Quickly eliminates wear and extends units life span.
- Seals tears and microcracks.
- Eliminates surface defects and corrosion.
- Decreases vibration and noise.

Note

The grease is especially effective for worn bearing restoration (up to 10,000 rpm).

Recommended for units and mechanisms used up to half of their resource.

If units require periodical grease changing XADO Protective Grease should be used further on.

Compatible with automobile and industrial lithium greases of all types and can be mixed with them at any ratio.



12 ml

Art. XA 30102
packet from foil-clad cellophane



125 ml

Art. XA 30202
plastic tube

400 ml

Art. XA 30402
aerosol can



450 ml

Art. XA 30002
grease gun cartridge

Requirements

Meets the requirements of the following specifications:

NLGI 3 (ASTM D217)

KP3K-20 (DIN 51502)

ISO-L-XBCEB 3 (ISO 6743-9)

Requirements

Meets the requirements of the following specifications:

NLGI 2 (ASTM D217)

**ISO-L-XBCEB 2
(ISO 6743-9)**

KP2K-20 (DIN 51502)

Note

If units require periodical grease changing XADO Repairing Grease should be used further on.

Recommended for units and mechanisms used up to 80 % of their resource.

Compatible with automobile and industrial lithium greases of all types and can be mixed with them at any ratio.

The grease is effective for repairing the bearings (up to 10 000 rpm).

It is not recommended for new assemblies and parts!

12 ml

Art. XA 30103
packet from foil-clad cellophane



125 ml

Art. XA 30203
plastic tube

400 ml

Art. XA 30403
aerosol can



450 ml

Art. XA 30003
grease gun cartridge

XADO grease for CV Joints

Contains revitalizant.

Consistent grease for constant velocity joints (CV joints), units, car bearings and other equipment. Contains atomic revitalizant. Compensates ongoing wear.

The best currently available grease for constant velocity joints. Exceeds any grease with molybdenum disulfide (MoS₂) in all the properties. A product of the unique co-crystallization technology with complex lithium-calcium thickener (ALASSCA-complex). Alloyed with a special additive package. Provides a fundamentally new and efficient approach for protective grease properties.



- Perfect grease for constant velocity joints; reduces wear by 2–2.5 times.
- Capable of protecting CV joints from moisture and contamination for extended time periods if the protective cover (dust boot) is damaged.
- Super-universal grease; used for all car units: wheel hub bearings, ball bearings and joints, cardan transmission joints, pump and generator bearings; as well as for units of industrial and household appliances: open gearing, friction and frictionless bearings, gear wheels of polishing machines, chains, etc.
- Possesses excellent lubricating properties in any operating conditions (extremely high loads, high and low shear rate, high temperatures, dust level and increased humidity).
- Prevents scoring and corrosion; reduces noise and vibration.
- Due to atomic revitalizant, it keeps the surface in perfect condition.



125 ml

Art. XA 30204
plastic tube



450 ml

Art. XA 30004
grease gun
cartridge



400 ml

Art. XA 30404
aerosol can

Requirements

Meets the requirements of the following specifications:

NLGI 2 (ASTM D217)

ISO-L-XBCIB 2 (ISO 6743-9)

NLGI GC-LB

KOG2K-20 (DIN 51502)

Note

Recommended for new units and mechanisms.

For significant restoring repair use XADO restoring grease and XADO repairing grease.

Compatible with automotive and industrial lithium greases of all types, can be mixed with them at any ratio.

XADO Supergrease

Contains revitalizant.

It is a universal replacement of any car grease, compatible at any ratio with CV-joints-4 (SHRUS-4), TSIATIM-221, LITOL-24, SHRB-4 and similar greases. It is used for joints (bearings) of cars, construction tools, household appliances and sport equipment.

- Restores parts with 10-30 % wear.
- Protects friction pair surface from wear.
- Keeps its properties even under extended mechanical and thermal loads.
- Prevents corrosion of ferrous and nonferrous metals.
- Guarantees against unit jamming.
- Possesses water-resistant properties.

Note

Compatible with automotive and industrial lithium greases of all types and can be mixed with them at any ratio.

Designed for units with rotation speed up to 10,000 rpm.



7 ml

Art. XA 30005

packet from foil-clad cellophane

125 ml

Art. XA 30205

plastic tube

Requirements

Meets the requirements of the following specifications:

NLGI 2 (ASTM D217)

KPF2K-25 (DIN 51502)

ISO-L-XBCEB 2 (ISO 6743-9)

XADO Universal penetrating lubricant

Universal penetrating spray-lubricant.
Contains revitalizant.

Designed for all types of units and mechanisms, weapon, tools and equipment. Recommended for application in service stations, garages, repair shops, households, industrial production. The lubricant penetrates easily and quickly into threaded and other joints, returns mobility to rusted parts. It lubricates any parts friction surface. Due to revitalizant, it restores friction surfaces.

- Removes oil and grease from vehicle surfaces.
- Protects parts from corrosion and oxidation.
- Unfreezes door-locks and prevents their freezing.
- Pushes out moisture and helps engine start in wet weather.



40 ml

Art. XA 30114

100 ml

Art. XA 30214

150 ml

Art. XA 30014

300 ml

Art. XA 30314

500 ml

Art. XA 30414

Package:
aerosol can.

Multi-purpose semifluid grease for centralized lubrication systems

XADO EP 00/000

High quality multi-purpose semifluid grease. Contains atomic revitalizant.
Designed for centralized lubrication systems of automotive and industrial equipment.



Advantages

- Perfect grease for centralized lubrication systems of friction and frictionless bearings, hub gear drives of mobile equipment.
- Has easy pumpability and high penetration ability even at considerably low temperatures (up to -30 °C).
- Viscosity properties of the base oil, extreme pressure and anti-wear additives provide the grease with good lubricating properties and guarantee high load carrying ability under contact loads on gears and bearings.
- Effective corrosion inhibitors protect the lubrication system parts from corrosion even if water gets into the system.
- High mechanical and oxidizing stability ensures long life span of the grease.
- Due to atomic revitalizant, the grease keeps the parts surfaces in top condition, prevents formation of scratches and corrosion, reduces noise and vibration.

20 L

Art. XA 30513

60 L

Art. XA 30613

200 L

Art. XA 30713

Package: 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

NLGI 00 (ASTM D217)

KP00H-30 (DIN 51502)

ISO-L-XCBFB 00
(ISO 6743)

XADO non-freezing fluid

For cleaning auto glass.



2L
Concentrate -32°C
Art. XA 50010
Packet

1L
Superconcentrate -120°C
Art. XA 50011
Packet

Application

Concentrate -32°C

Pour into the car washer tank. Applied water-thinned or straight (depending on the environment temperature).

Environment temperature, °C Water, l per 1 l of fluid concentrate

0... -5	2
-5... -10	1
-10... -20	0,5
-20... -32	—

Concentrate -120°C

Pour into the car washer tank. Applied water-thinned.

Environment temperature, °C Water, l per 1 l of fluid concentrate

0... -5	5
-5... -10	4
-10... -20	3
-20... -30	2
-30... -40	1
-40... -50	0,5
-120	—



3D wash



Anti-calc



Anti-foam

Provides strong cleaning effect.

Doesn't cause foaming.

Doesn't form calcareous deposits.

Safe for health.

Advantages

The fluid is manufactured using the OPEN VISION SYSTEM[®] technology

3D wash effect

- Effectively removes ice and frost
- Cleans off any contamination on the glasses
- Prevents formation of oily deposit on the glass

Anti-calc

- Cleans the spray nozzles
- Removes the calcareous deposit and prevents its formation
- May be used with tap water

Anti-foam

- A special up-to-date formula ensures little foaming.

Additional advantages

- Unfreezes the frozen fluid in a washer tank
- Prevents ice formation in spray nozzles
- Safe for health, doesn't contain methyl alcohol
- Safe for lacquer coatings, chrome, rubber and plastic

XADO Antifreeze RED 12++

Liquid concentrate for engine cooling system (crimson). Contains revitalizant.



Fill-For-Life

Advantages

- Specially designed for one-time filling of the coolant for the whole operation period of VW-Audi models produced after 2009.
- Produced on the base of monoethylene glycol of PREMIUM class and new generation corrosion inhibitors.
- Contains an additives package made according to progressive technology HOAT (Hybrid Organic Additive Technology) which uses an innovative combination of organic acids with high reactionary silicon compounds.
- Contains revitalizant which protects pump bearing and ensures its operation in the emergency situation.

Requirements and approvals

Meets the requirements of manufacturer approval:

TL 774 G (G12++)	Bentley
VW	Audi
Seat	Skoda
Lamborghini	Scania TB 1451

1,1 kg

Art. XA 50008

4,5 kg

Art. XA 50308

20 L

Art. XA 58508

60 L

Art. XA 50608

200 L

Art. XA 50708

Package: from 1,1 kg to 20 L — can;
60 and 200 L — barrel.

Application instructions

XADO Antifreeze Red 12++ concentrate should be diluted with tap or distilled water before application. The ratio of antifreeze concentrate and water depends on minimal temperature of car operation.

Preparation of cooling fluid

ambient t° C

-17	Antifreeze	+	Water	Water
-36	Antifreeze	+	Water	
-64	Antifreeze	Antifreeze	+	Water

XADO Antifreeze RED 12++ -40 °C

Ready-to-use antifreeze for engine cooling systems (crimson). Does not freeze at up to -40 °C. Contains revitalizant.



Advantages

- Provides maximum anticorrosion protection.
- Ensures optimal thermal regime of engine operation in all performance modes.
- Prevents deposits formation and keeps cooling system perfectly clean.
- Compatible with all other automobile cooling liquids. Recommended to use in a pure state.

2,2 kg

Art. XA 50209

10 kg

Art. XA 50409

20 L

Art. XA 58509

60 L

Art. XA 50609

200 L

Art. XA 50709

Package: from 2,2 kg to 20 L — can;
60 and 200 L — barrel.

Application instructions

Refer to the car manufacturer recommendations for antifreeze application. The product is recommended for application at ambient temperatures up to -40° C, at higher temperatures it can be diluted with tap or distilled water.

Preparation of cooling fluid

ambient t° C

-15 Antifreeze + Water Water

-20 Antifreeze + Water

-30 Antifreeze Antifreeze + Water

XADO Antifreeze RED 12+

Fluid concentrate for engine cooling systems (crimson). Contains revitalizant.



250000 km
SERVICE INTERVAL



Advantages

- Exceeds the requirements of VW, MB, Ford, Opel, MAN and other car manufacturers for engines coolants of passenger cars and trucks.
- Produced on the base of monoethylene glycol of PREMIUM class and new generation corrosion inhibitors.
- Guarantees perfect cooling system operation for 5 years (250,000 km).
- Contains revitalizant which protects pump bearing and ensures its operation in emergency situations.

Requirements and approvals

Meets the requirements of the following specifications:

JASO M325

NATO S-759

**ASTM D3306/
D4656/4985**

BS 6580

Meets the requirements of manufacturer approval:

**VW TL-VW 774 D
(G12+)**

**Opel-GM6277M
+B0401065**

MB 325.3

Ford WSS-M97B44-D

MAN 324 Typ SNF

PSA

Scania TB1451

Renault Type-D

**Deutz / MWM 0199-
99-1115 (0199-99-2091)**

**Detroit Diesel
(incl Powercool plus)**

1,1 kg

Art. XA 50001

4,5 kg

Art. XA 50301

20 L

Art. XA 58501

60 L

Art. XA 50601

200 L

Art. XA 50701

Package: from 1,1 kg to 20 L — can;
60 and 200 L — barrel.

Application instructions

XADO Antifreeze RED 12+ should be diluted with tap or distilled water. The ratio of *antifreeze concentrate and water* depends on minimal temperature of car operation.

Preparation of cooling fluid

ambient °C

-17

Antifreeze

+

Water

Water

-36

Antifreeze

+

Water

-64

Antifreeze

Antifreeze

+

Water

XADO Antifreeze RED 12+ -40 °C

Ready-to-use product for engine cooling systems (crimson). Does not freeze at up to -40 °C. Contains revitalizant.



250000 km
SERVICE INTERVAL

Advantages

- Increases car cooling system service intervals.
- Provides maximum possible anticorrosion protection for refrigerating fluids.
- Prevents deposit formation and keeps the cooling system clean.
- Completely safe for aluminum and alloys, synthetic materials and rubber.
- Has no aggressive effect on plastics and lacquer coating.
- Compatible and can be mixed with any other regular automotive coolants (colored blue, green, yellow, violet, red and pink).

2,2 kg

Art. XA 50207

10 kg

Art. XA 50407

20 L

Art. XA 58507

60 L

Art. XA 50607

200 L

Art. XA 50707

Package: from 2,2 kg to 20 L — can;
60 and 200 L — barrel.

Application instructions

Refer to the car manufacturer recommendations for antifreeze application. The product is recommended for application at ambient temperatures up to -40° C, at higher temperatures it can be diluted with tap or distilled water.

Preparation of cooling fluid

ambient t° C

-15	Antifreeze	+	Water	Water	
-20	Antifreeze	+	Water		
-30	Antifreeze		Antifreeze	+	Water

XADO Antifreeze GREEN 11

Fluid concentrate for engine cooling systems (green). Contains revitalizant.



175000 km
SERVICE INTERVAL



Advantages

- Exceeds the requirements of VW, MB, Ford, Opel, MAN and other manufacturers for cooling fluids for engines of passenger cars and trucks.
- Produced on the base of monoethylene glycol of PREMIUM class and high-performance corrosion inhibitors.
- Guarantees perfect operation of the cooling system during 3.5 years (175,000 km).
- Contains revitalizant which protects pump bearings and ensures pump operation in emergency situations.

Requirements and approvals

Meets the requirements of the following specifications:

SAE J 1034 (USA)

ASTM D 3306 (USA)

BUNDESWEHR
TK-BA2-3-6580-008

French Army

Swedish Army

Meets the requirements of manufacturer approval:

VW TL-VW 774 C (G11)

BMW N 600 69.0

MB 325.0

Opel/GM B 040 0240

SAAB 6901 599

Porsche

MAN 324

Renault Type D

Volvo

MTU MTL 5048

Scania TB1451

1,1 kg

Art. XA 50004

4,5 kg

Art. XA 50304

20 L

Art. XA 58504

60 L

Art. XA 50604

200 L

Art. XA 50704

Package: from 1,1 kg to 20 L — can;
60 and 200 L — barrel.

Application instructions

XADO Antifreeze GREEN 11 should be diluted with distilled or tap water before application. The ratio of *antifreeze concentrate and water* depends on minimal temperature of car operation.

Preparation of cooling fluid

ambient °C

-17

Antifreeze

+

Water

Water

-36

Antifreeze

+

Water

-64

Antifreeze

Antifreeze

+

Water

XADO Antifreeze GREEN 11 – 40 °C

Ready-to-use antifreeze for engine cooling systems (green). Does not freeze at up to –40 °C. Contains revitalizant.



175000 km
SERVICE INTERVAL

2,2 kg

Art. XA 50206

10 kg

Art. XA 50406

20 L

Art. XA 58506

60 L

Art. XA 50606

200 L

Art. XA 50706

Package: from 2,2 kg to 20 L — can;
60 and 200 L — barrel.

Advantages

- Provides reliable cooling system operation for modern car engines; used in warranty and post-warranty service.
- Prevents deposit formation and keeps the cooling system clean.
- Absolutely safe for aluminum and alloys, synthetic materials and rubber; has no aggressive effect on plastics and lacquer coating.
- Compatible and can be mixed with regular automotive coolants based on ethylene glycol (colored blue, green and yellow).

Application instructions

Refer to the car manufacturer recommendations for antifreeze application. The product is recommended for use at ambient temperatures up to –40 °C; if the temperature is higher, the coolant can be diluted with tap or distilled water.

Preparation of cooling fluid

ambient t° C

-15 Antifreeze + Water Water

-20 Antifreeze + Water

-30 Antifreeze Antifreeze + Water

XADO Antifreeze BLUE BS

Fluid concentrate for engine cooling systems (blue). Contains revitalizant.



Advantages

- Exceeds British Standard BS 6580 requirements for cooling fluids for gasoline and diesel engines of passenger cars and trucks.
- Produced on the base of monoethylene glycol of PREMIUM class and effective corrosion inhibitors.
- Ensures perfect operation of the cooling system for 2 years (100,000 km).
- Contains revitalizant which protects the pump bearing and ensures its operation in an emergency.

Requirements and approvals

Meets the requirements of the following specifications:

BS 6580 (UK)	SAE J 1034 (USA)
ASTM D 3306 / D 4656 (USA)	AFNOR NFR 15-601 (France)
ONORM V5123 (Austria)	JIS K 2234 (Japan)
UNE 26-361 (Spain)	AS 2108 (Australia)
CUNA NC 956-16 (Italy)	

1,1 kg

Art. XA 50002

4,5 kg

Art. XA 50302

20 L

Art. XA 58502

60 L

Art. XA 50602

200 L

Art. XA 50702

Package: from 1,1 kg to 20 L — can;
60 and 200 L — barrel.

Application instructions

XADO Antifreeze BLUE BS should be diluted with distilled or tap water before application. The ratio of *antifreeze concentrate and water* depends on minimal temperature of car operation.

Preparation of cooling fluid

ambient t° C

-17	Antifreeze	+	Water	Water
-36	Antifreeze	+	Water	
-64	Antifreeze	Antifreeze	+	Water

XADO Antifreeze BLUE BS -40 °C

Ready-to-use antifreeze for engine cooling systems (blue). Does not freeze at up to -40 °C. Contains revitalizant.



100000 km
SERVICE INTERVAL

Advantages

- Ensures optimal engine thermal conditions in any operating mode.
- Prevents fluid foaming and bubble formation; guarantees maximum pump capacity and effective heat rejection.
- Prevents deposit formation; keeps cooling system clean.
- Provides significant amount of anticorrosion protection.
- Safe for aluminum and alloys, synthetic materials and rubber.
- Has no aggressive effect on plastics or vehicle lacquer coating.
- Compatible and can be mixed with regular automotive coolants (blue in color).

2,2 kg

Art. XA 50205

10 kg

Art. XA 50405

20 L

Art. XA 58505

60 L

Art. XA 50605

200 L

Art. XA 50705

Package: from 2,2 kg to 20 L — can;
60 and 200 L — barrel.

Application instructions

Recommended for use at ambient temperatures up to -40 °C; at higher temperatures the coolant can be mixed with tap or distilled water.

Preparation of cooling fluid

ambient t° C

-15 Antifreeze + Water Water

-20 Antifreeze + Water

-30 Antifreeze Antifreeze + Water

XADO DOT-4

Synthetic brake fluid. Contains revitalizant.

Exceeds the requirements of the American Standard DOT 4 and specifications of the leading car manufacturers (BMW, VW and MAN) for brake fluids for passenger cars and trucks. Used for vehicle braking systems equipped with disc or drum brakes, including those with Antilock Braking System (ABS) and Acceleration Slip Regulation (ASR); and hydraulic clutch systems. Produced on the basis of a special esters complex and low-molecular polymers; alloyed with an additives package. Due to revitalizant, the friction surfaces are protected against burrs formation and corrosion, thus providing smooth brake operation without shimming and jamming. Guarantees perfect operation of brake system for 2.5 years (~125,000 km).



Advantages

- Ensures safe and reliable operation of all types of braking systems.
- Remains incompressible in the most extreme operating mode (with continuous and intensive braking).
- Possesses high wet boiling point (over +170 °C), thus preventing brake failure.
- Provides fast heat rejection of braking system parts; prevents brake overheating.
- Due to low viscosity at low temperatures, guarantees perfect performance level in cold conditions (below -50 °C).
- Prevents deposit formation and keeps the braking system clean.
- Completely compatible with all types of metals, alloys, sealing materials and pipelines used in car braking systems.

0,5L

Art. XA 50003
can

350 ml

Art. XA 50303
Plastic bottle

0,9L

Art. XA 50803
Plastic bottle

Note

Can be mixed with regular brake fluids (fluids of clear-golden color DOT 3, DOT 4 and DOT 5.1).

The fluid is hygroscopic. Keep tightly closed.

Requirements and approvals

Meets the requirements of the following specifications:

DOT 4 FMVSS 116

SAE J 1703

ISO 4925

Meets the requirements of manufacturer approval:

BMW 9368

VW 3057

MAN TUC v3681

VitaFlush

Cleaner of lubrication systems with revitalization effect.

Used to clean all types of gasoline and diesel engine lubricating systems (including turbocharged) and transmission gear boxes. Efficiently removes all contaminations and tar sediments in channels and removes them from the system with used oil. Due to revitalizant, restores up to 70 % of the lost metal. Should be used with every oil change as a preventive flushing and anti-wear protection. It is applied as an adaptive flushing when changing the oil viscosity or type (e.g. from mineral to synthetic), or different brand.



Advantages

- Complex cleaning of engine oil system (transmission units) from contaminations of any type.
- Restores mobility of oil and compression rings.
- Eliminates hydro-compensators sticking effect.
- Cleans the crankcase ventilation system.
- Restores and protects friction parts from wear.
- Increases engine power.
- Stabilizes the parameters of oil pump (increases oil pressure).

20 ml

Art. XA 40101
packet from
foil-clad
cellophane

250 ml

Art. XA 40201
can

Application instructions

1. Pour the necessary amount of XADO VitaFlush into a warmed-up mechanism through the oil filler neck or oil-measuring opening.
2. Start the engine and let it idle for 10–15 minutes or drive 20 kilometers. In case of severe contamination, flush intensively — drive 200–300 km.
3. Change oil and oil filter.

Dosage

VitaFlush	Using on regular basis	For severe contaminations
Intensive cleaner	1 package for 1 L oil	2 packages for 1.5 L oil
Cleaner	60 ml for 1 L oil	100 ml for 1 L oil

Note

For maximum effect use with each oil change.
Compatible with all the types of oil.
Does not contain acid, acetone or solvents.
Safe for engine non-metal parts, oxygen sensors and catalytic converters.

MaxiFlush

Fuel system cleaner for gasoline engine. Contains atomic revitalizant.

It is specially designed to flush the fuel system injectors on stationary plants. Effective for all types of fuel injection systems (K, KE, L-Jetronic, etc.). Can be used* for complex flushing of fuel system without any supplementary equipment.



Advantages

- Quickly removes all types of contamination and sediments from the fuel system.
- Cleans inlet valves, injectors, and combustion chambers.
- Ensures the exact dosage of fuel injection, restores "spray", optimizes the combustion process and contributes to fuel saving.
- Due to revitalizant, efficiently protects the needle valve of the injector from wear and sticking.
- Increases the reliability and economy of fuel system operation and prolongs the service life of injectors by 2–4 times.
- Safe for lambda sensors (oxygen sensors) and catalytic converters of exhaust gases.

300 ml

Art. XA 40503
can

* concentrated
cleaner

1 L

Art. XA 40103
can

*Recommended for use
every 10,000 – 12,000 km
as a preventive measure.*

Application instructions

MaxiFlush concentrated cleaner (300 ml)

To clean a fuel system on a stationary plant.

Mix the cleaner with high-octane fuel at a ratio of one package of concentrated product (300 ml) for 700 ml of fuel.

To clean a fuel system without a stationary plant.

Before fueling, add 300 ml of concentrated cleaner for 40-80 L of fuel into the fuel tank. Fuel the tank.

MaxiFlush cleaner (1 L)

Refer to application instructions for fuel system cleaning.

1 l package is enough for 20 spray nozzles, engines of 5 cars, to be flushed.

MaxiFlush

Cleaner of hard-to-remove contaminations of engine systems.

Highly effective product for cleaning of carburetor, injector gate, exhaust gas recirculation (EGR) valve, as well as for removing carbon from piston rings. It is indispensable in removal of deposits and lacquer film from injectors, valves, combustion chamber, bottom and piston grooves on the disassembled engine.

Advantages

- The most effective product in current market to clean severe contaminations.
- Easily removes carbon deposits and high-temperature lacquer films.
- Quickly (only 3 minutes!) softens and dissolves all types of deposits on engine units and systems.



500 ml
Art. XA 40203
aerosol can

Application instructions

To clean a carburetor

Take off an air filter. Start the engine. Spray the cleaner onto the visible parts of carburetor. While cleaning, keep up the high engine rpm with throttle arm.

To clean an injector gate

Spray the cleaner onto the injector gate (into the air inlet) when the engine is warmed up but not operating. Afterwards turn the engine on and let it operate at high rpm for 3-5 min.

To clean an exhaust gas recirculation valve

Take off the valve. Spray the cleaner onto the dirty valve surfaces. Wipe dry in 3 minutes. If necessary, repeat the cleaning.

To clean an engine

Spray the cleaner onto soiled surfaces. Wipe dry in 3 minutes. Repeat if necessary.

To clean rings from carbon

1. Warm up the engine. It should be warm but not hot.
2. Unscrew the spark plugs (nozzles). Disconnect the wire of the ignition timing sensor, Hall sensor or commutator.
3. Spray (within 5 sec) the product into each cylinder through the plug hole. Screw the plugs back in. Wait for 10–20 minutes. Unscrew the plugs. Cover the plugholes with absorbent fabric to avoid flying out dirt getting onto the paint. Rotate the engine with a starter for several seconds.
4. Put the plugs (nozzles) back into position.
5. Start the engine and let it work on the increased rotation frequency of a crankshaft within 15 minutes. During this time, the residues of the softened carbon will be removed through the exhaust system.

Antigel+

Formulated to lower the freezing temperature of diesel fuel. Superconcentrate. Contains highly effective depressors and components increasing cetane ratio. Contains revitalizant.



Advantages

- The best in current market complex and highly efficient product designed to improve low-temperature properties of diesel fuel. It is used universally for all types of diesel fuel. Due to the revitalizant, it effectively protects pump elements of the fuel system from wear and tear and seizure when moisture gets into the fuel.
- Lowers freezing temperature of summer diesel fuel from -10°C to -22°C , winter diesel fuel from -35°C to -47°C .
- Improves pumpability of fuel through the filter and allows easy diesel engine start at temperatures below -10°C .
- Universal in application for all types of feed systems of diesel engines including Common Rail and pump-injector units (Pumpe- Düse).
- Contains modifier of cetane ratio.
- Increases engine power and decreases detonation knocking.
- Optimizes fuel combustion process due to more efficient injector operation and saves fuel.
- Protects against negative consequences of low-quality fuel.
- Protects the fuel system of diesel engines against corrosion.
- Improves lubricating properties of diesel fuel.

100 ml

Art. XA 40902

200 ml

Art. XA 40302

500 ml

Art. XA 40002

1 L

Art. XA 40102

20 L

Art. XA 48502

60 L

Art. XA 40602

200 L

Art. XA 40702

Package: from 100 ml to 1 L — can;
20 L — can; 60 and 200 L — barrel.

Application instructions

Add XADO ANTIGEL+ into the oil-filler neck of a fuel tank at a ratio of 1 ml for 1 L of fuel.

Note

Add XADO ANTIGEL+ warmed up to $+20...25^{\circ}\text{C}$ into unfrozen (transparent) diesel fuel.

Does not require additional agitation.

Used with winter and summer fuel.

Recommended to use in winter season and at sharp temperature drops.

XADO A/C

Restoring compound for automobile air conditioners. Contains refrigerant R-134a and synthetic oil with revitalizant.

This complex product is designed for automobile air conditioners. It compensates the gas-refrigerant losses and improves cooling. Due to revitalizant effect, it increases compressor resource and compensates ongoing wear of its parts. It is used for all types of cooling systems with Freon R-134a.



Advantages

- Extends the resource of the compressor and compensates ongoing wear.
- Compensates losses of gas-refrigerant (Freon) and oil.
- Restores air-tightness of the conditioner and reduces the leakage of gas-refrigerant (Freon).
- Restores the elasticity and durability of the cooling system compressors and prolongs their life span.

Dosage

To restore and recharge an air-conditioner:

1 can of XADO A/C per one system with the capacity up to 1.3 L (1 kg) R-134a.

For restoring repair of a worn-out air-conditioner compressor: 2 cans per one system.

As a preventive measure for new and completely charged conditioners: 1 can once a year.

Application instructions

Use a **test-connector** with a manometer for charging.

Test-connector

It is a charging device with a manometer to test and charge automobile air conditioners.

Specially designed for automobile air conditioners with R134a refrigerating agent.

Main purposes:

- to check if the air conditioner system is fully charged with refrigerating agent;
- to charge and recharge automobile air conditioners.



Art. XA 60004

Refrigerant 134a & Oil

XADO Refrigerant R-134a with oil. Contains atomic revitalizant. It is used to charge (recharge) the automobile air conditioners with R-134a refrigerant.

Advantages

- Improves the cooling capacity of air conditioner.
- Compensates ongoing wear of parts of the air conditioner compressor.
- Decreases noise and vibrations.

Application instructions

Use **Test-connector** with manometer for charging.



330,5 g

Net weight

600 ml

Gross volume

Art. XA 60002
aerosol can

XADO Refrigerant 134a

Refrigerant. Used to charge (recharge) the automobile air conditioners.



500 ml

Art. XA 60105
aerosol can

13,6 kg

Art. XA 60005
can

Advantages

- Designed to replace refrigerant R-12 containing chlorine (CFC) which destroys the Earth's ozone layer.
- Belongs to the group of hydro fluorocarbons (HFC) containing hydrogen which are not dangerous for the Earth's ozone layer (the potential of ozone layer destruction ODP = 0)
- Easily mixed with hydro fluorocarbon (HFC) refrigerants R-134a (404a, 407c and others).

Application instructions

Use **Test-connector** with a manometer for charging.

XADO Refrigeration Oil

Synthetic oil for automobile air conditioners. Contains atomic revitalizant.

Specially designed for automobile conditioners operating on refrigerant R-134a. Used in domestic and industrial conditioners with fluorocarbon (HFC) refrigerants.



Advantages

- Based on the esters and a special additives complex.
- Possesses excellent lubrication properties, increased adherence to parts surfaces, chemical and hydrolytic stability.
- Mixed easily with fluorocarbon (HFC) refrigerants (404a, 407c and others).
- Compatible with all types of materials and can be mixed with all types of oils (mineral, synthetic) used in automobile air conditioner systems.
- Increases compressor power and its coefficient efficiency due to the super accurate local adjustment of the parts.
- Increases capacity of conditioners by up to 5%.
- Prolongs compressor life span by 2–3 times and compensates ongoing wear of its parts.
- Damps extreme loads, reduces noise and vibrations.
- Beginning from the first minutes of compressor operation, protects its parts and units from overloads and extends its life span.

0,5L

Art. XA 60203

20L

Art. XA 68503

60L

Art. XA 60603

200L

Art. XA 60703

Package: 0,5 L and 20 L — can; 60 and 200 L — barrel.

Requirements and approvals

Meets the requirements of the following specifications:

ISO-VG 100

XADO[®]
CHEMICAL GROUP

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