

# INDUSTRIAL OILS

## GEAR OILS



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### **MINERAL** XADO Gear EP VG 68/100/150/220/320/460/680

Gear unit oil with extreme pressure properties. Possessing extreme pressure and antiwear characteristics, properly lubricates and protects industrial equipment in loaded operation modes. Characterized by low foaming and high antioxidant properties. Contains REVITALIZANT®.

CLP DIN 51517 part 3 | US Steel 224 | Timken OK Load 75 lbs |  
AGMA 250.04 EP/9005-D94 | David Brown S1.53.101

60 L  
200 L

### **SYNTHETIC** XADO Gear SYN PAG VG 150/460

Synthetic (polyalkylene glycol) oil for high-loaded toothed and worm gears. Used in high-speed and high-loaded industrial transmissions, worm gears as well as circulating lubrication systems of units and bearings with the oil operating temperature of up to +200 °C. Contains REVITALIZANT®.

CLP DIN 51517 part 3

60 L  
200 L

### **SYNTHETIC** XADO Gear SYN PAO VG 150/220/320/460

Polyalphaolefin based gear oil developed for lubrication of all kinds of heavily loaded toothed gears, especially in high-temperature modes. Used in high-speed and high-loaded industrial transmissions, worm gears and bearings. Contains REVITALIZANT®.

CLP DIN 51517 part 3 | FZG geartest > 12 | US Steel 222, 223, 22 | Timken OK  
Load >70 Lb | AGMA 250.04 EP/9005-D94 | David Brown type H

60 L  
200 L

### **SYNTHETIC** XADO FG Gear VG 150/220/320/460

Developed specially for closed toothed gears of food industry equipment. Formulated on the basis of synthetic oil (PAO). Designed for toothed gears, rolling and sliding bearings of food industry equipment (where CLP oils are recommended). Does not form dangerous oxidation products at high temperatures. Contains REVITALIZANT®.

NSF/InS H1 | FZG =12 | Din 51517 part 3 (CLP)

60 L  
200 L



**MINERAL XADO Slideway VG 150/320**

Developed on the basis of special mineral base oils and a special additive package. Special additives change the static and dynamic friction index eliminating irregularity of sliding, providing smooth treatment of the part and necessary precision. Contains REVITALIZANT®.

Cincinnati Milacron P47 (ISO-VG 68), P50 (ISO-VG 220), P53 (ISO-VG 32) |  
DIN 51517 part 3 (CLP) | DIN 51524 part 2 (HLP)

**60 L**  
**200 L**

**MINERAL XADO White Oil VG 10/15/32/46/68/100**

White medical oil. Produced on the basis of highly purified paraffin base oils and a special additive package. Has no taste and odor. Perfectly transparent. White oil can also be applied as process oil in plastic, food and cosmetic industries. Contains REVITALIZANT®.

FDA CFR 172.878, 178.3620 (a) (US Food and Drug Administration) | United States Pharmacopoeia USP XXII | European Pharmacopoeia, 1983, second edition | German pharmacopoeia DAB 10 | British Pharmacopoeia BP, 1993 French Pharmacopoeia | Italian Pharmacopoeia | Chinese Pharmacopoeia, tenth edition for food industry

**5 L**  
**20 L**  
**60 L**  
**200 L**

**MINERAL Verylube THERM B**

Thermal oil. Developed on the basis of purified paraffin base oils and a special additive package. Designed for closed circular heating systems with the expansion tank. Also can be used in open systems. Used at a wide temperature range of thermal fluid operation: from -15 to +315 °C.

DIN 51522-Q

**60 L**  
**200 L**

**SYNTHETIC XADO Refrigeration Oil 100**

Produced on the basis of synthetic esters and a special additive package. Specially developed for car air conditioners operating with refrigerant R-134A. Used in apartment and commercial air conditioners with fluorocarbon refrigerants. Contains REVITALIZANT®.

ISO-VG 100

**60 L**      **XA 60603**  
**200 L**      **XA 60703**

# CLEANERS

## REGULAR CLEANERS



### CLEANER

### XADO VitaFlush

VitaFlush is designed to clean the oil system of fuel and diesel engines of all types (including turbocharged ones) as well as transmission units. Comprehensively cleans all contaminations, tar deposits and removes them with used oil. Applied during the oil change as prophylactic measures for cleaning and protecting from wear. Also can be used as an adaptive cleaner after changing for oil of different viscosity (i.e. from mineral to synthetic) or manufacturer.

#### Application instructions:

1. Introduce the necessary amount of VitaFlush into the warmed up mechanism through the oil filler neck or opening of the dipstick.
2. Start the engine and let it idle within 10–15 minutes or drive 20 km (~15 miles). If intensive cleaning is required (in case of heavy contamination), drive 200–300 km (150–200 miles).
3. Change the oil and the oil filter.

<b>can 250 ml</b>	<b>XA 40201</b>
<b>bucket 20 L</b>	<b>XA 48501</b>
<b>barrel 60 L</b>	<b>XA 40601</b>
<b>barrel 200 L</b>	<b>XA 40901</b>

#### Note

In order to achieve the maximum effect, it is recommended to apply the cleaner by every oil change.  
Compatible with all types of oils.  
Does not contain acid, acetone or solvents.  
Safe for non-metal engine parts, lambda probes and catalyst converters.

### CLEANER

### VERYLUBE Anticarbon

Decarbonization of stuck piston rings.

Used for deep cleaning of the cylinder-piston group of gasoline and diesel engines (including turbocharged ones) from all types of contaminations (carbon deposits, soot, lacquer, tars).

#### Application instructions:

1. Warm up the engine. The engine should be warm but not hot.
2. Unscrew the plugs (nozzles). Disconnect the wire of the ignition timing sensor, Hall sensor or commutator.
3. Spray the substance (up to 5 seconds) through a nozzle hose (or introduce the content of 1 tube) into each cylinder. Screw the plugs back. Wait for 10–20 minutes. Unscrew the plugs. Cover the plugholes with absorbing fabric to avoid dirt flying out and getting onto the paint. Rotate the engine with the starter for several seconds.
4. Reinstall the spark plugs (nozzles).
5. Start the engine and let it run at increased rpm of the crankshaft for up to 15 minutes. During this time, residues of the softened carbon will be removed through the exhaust system.

<b>tube 10 ml</b>	<b>XB 40051</b>
<b>can 320 ml</b>	<b>XB 40011</b>
<b>can 1 L</b>	<b>XB 40251</b>

# ATOMIC PRO-INDUSTRY OILS

## XADO ATOMIC PRO-INDUSTRY OILS — special top-grade automotive oils with REVITALIZANT® [RF 5.5].

Due to the high content of the REVITALIZANT® nanocomponent [REVITALIZATION® Factor RF 5.5], all ATOMIC oils provide the maximum possible level of antiwear protection, as well as efficiently compensate the ongoing wear during operation of assemblies and aggregates. RF – the REVITALIZATION® Factor is a value for efficiency of restoration and antiwear protection of the engine. The higher is the RF, the more reliable are antiwear and restoring properties of the coating obtained as a result of REVITALIZATION®.

## ATOMIC® PRO-INDUSTRY MOTOR OIL w / REVITALIZANT®

### SYNTHETIC

### 15W-40 SN/CK-4

Special top-grade synthetic motor oil with REVITALIZANT® [RF 5.5]. Applied to naturally aspirated as well as turbocharged four-stroke diesel and gasoline engines operating under severe service and a wide range of climatic conditions. Fully backwards compatible with API CJ-4, API CI-4+, CI-4 oils as well as previous specifications.

SAE 15W-40 | API CK-4 | API SN | ACEA E6/E7/E9 | MB 228.31 | MAN M 3275/3575 | Volvo VDS-4.5 | 20L  
Caterpillar ECF-3 | Cummins CES 20081/86 | Ford WSS-M2C171-E/F | MTU type 2.1 | Detroit Diesel 60 L  
DDC 93K218/222 | JASO DH-2 | Mack EO-O Premium Plus | Renault VI RLD-3/4 | Deutz DQC III-10 LA 200 L

### SYNTHETIC

### 10W-30 SN/CK-4

Full synthetic motor oil with REVITALIZANT® [RF 5.5]. The oil is applied to a wide range of modern trucks, because it meets a wide performance spectrum. Developed according to the latest oil consumption and exhaust emission regulations.

SAE 10W-30 | API CK-4/CJ-4 | API SN (SFU) | ACEA E9-2016 | MB 228.31 | CES 20081 | Cat ECF-3 | 20L  
Volvo VDS-4 | Mack EO-O PP | Renault RLD-3 | DDC 93K218 | MAN M3575 | MTU Type 2.1 | 60 L  
DQC III-10 LA | Ford WSS-M2C171-F1 200 L

### SEMI-SYNTHETIC

### 15W-40 SM/CJ-4

Semi-synthetic motor oil with REVITALIZANT® [RF 5.5]. Applied to all types of diesel engines of trucks and other vehicles. Particularly recommended for diesel engines of trucks, including those equipped with the exhaust gas recirculation system (EGR) and/or diesel particulate filter (DPF).

SAE 15W-40 | API CJ-4 | API SM | ACEA E7/E9 | Global DHD-1 | MB 228.31 | 60 L XA 20647  
CES 20081 | Cat ECF-3 | Volvo VDS-4 | Mack EO-O PP | Renault RLD-3 | 200 L XA 20747  
DDC 93K21 | MAN M3275 | MTU Type 2

### MINERAL

### 15W-40 CI-4 DIESEL

Special top-grade mineral motor oil with REVITALIZANT® [RF 5.5]. Applied to diesel engines of passenger cars, trucks and other vehicles.

SAE 15W-40 | API CI-4/CH-4/CG-4/CF-4/CF | ACEA A3/B4/E7 | Global DHD-1 | 20L XA 28514  
JASO DH-1 | MB 228.3 | CES 20076/77/78 | Cat ECF-1a | Volvo VDS-2/3 | 60 L XA 20614  
Mack EO-M PP | Renault Truck RLD-2 | MAN M3275 | MTU Type 2 | DQC-III 200 L XA 20714



# ATOMIC PRO-INDUSTRY OILS

**XADO**  
CHEMICAL GROUP



*XADO ATOMIC oils meet the highest requirements of the American Petroleum Institute (API), European Automobile Manufacturers Association (ACEA) and specifications of the leading car manufacturers.*



## SEMI-SYNTHETIC

### 10W-40 DIESEL TRUCK

Semi-synthetic motor oil with REVITALIZANT® [RF 5.5]. Applied to all types of diesel engines of trucks and other vehicles. Particularly recommended for Euro 4 (3) engines of freight trucks and buses operating under the conditions of extended oil change intervals.

SAE 10W-40   API CI-4   ACEA E4/E7   Global DHD-1   JASO DH-1   MB 228.5	<b>20L</b>	<b>XA 20510</b>
CES 20076/77/78   Cat ECF-2   Volvo VDS-2/3   Mack EO-N/M PP	<b>60 L</b>	<b>XA 20610</b>
Renault RLD-2/RXD   MAN M3277/3377   MTU Type 3   DQC IV-10   Scania LDF	<b>200 L</b>	<b>XA 20710</b>

## SEMI-SYNTHETIC

### 10W-40 SL/CI-4

Semi-synthetic motor oil with REVITALIZANT® [RF 5.5]. Applied to gasoline and diesel engines of passenger cars and trucks.

SSAE 10W-40   API SL/CI-4   ACEA A3/B4/E7   Global DHD-1   JASO DH-1	<b>20L</b>	<b>XA 28509</b>
MB 228.5   CES 20076/77/78   Cat ECF-2   DDC 93K215   Volvo VDS-3	<b>60 L</b>	<b>XA 20609</b>
Mack EO-N   Renault RLD-2/RDL   MAN M3275/3271   MTU Type 2	<b>200 L</b>	<b>XA 20709</b>
DQC IV-10   Allison C4   Voith Class A		

## MINERAL

### 10W-40 SG/CF-4 SILVER

Universal top-grade mineral motor oil with REVITALIZANT® [RF 5.5]. Applied to gasoline and diesel engines (including those with turbocharging and direct injection) of passenger cars and trucks.

SAE 10W-40   API SG/CF-4   MIL-L-46152 EC   MIL-L-2104 D	<b>20L</b>	<b>XA 28523</b>
CCMC G4/D4/PD-2   FORD M2C-153C   GM 6085-M	<b>60 L</b>	<b>XA 20623</b>
	<b>200 L</b>	<b>XA 20723</b>

## MINERAL

### 80W-90 GL-3/4/5

Mineral transmission oil with REVITALIZANT® [RF 5.5]. Applied to all transmission assemblies of passenger cars and trucks: gearboxes, transfer cases, axles.

SAE 80W-90   API GL 3/4/5   API MT-1   SAE J2360   MIL-L-2105 D	<b>20L</b>	<b>XA 28519</b>
MIL-PRF-2105E   MB 235.0   MAN 342 Type M-2   Mack GO-J   Scania STO 1:0	<b>60 L</b>	<b>XA 20619</b>
ArvinMeritor 076-A, 076-D   ZF TE-ML 02B, 05A, 07A, 07B, 08, 12E, 16B, 16C, 16D, 17B, 19B	<b>200 L</b>	<b>XA 20719</b>



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