

MAXIGEAR ATOX - Series

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DESCRIPTION:

Fully synthetic, non-toxic oil. Especially formulated with bases and additives in the right proportions to comply with the requirements of the food industry, standard H1 for lubricants in indirect contact with foodstuffs. Especially designed for lubricating gears and mechanisms in the food and/or pharmaceutical industry.

APPLICATIONS:

- ✓ Gears of all kinds under sealed case.
- ✓ Piston, vane and blower compressors; vacuum pumps and hydraulic groups that require high viscosity oils.
- ✓ Greasing of bearings, plain and anti-friction bearings under crankcase or by circulation systems in closed circuits.
- ✓ Transmission chains.
- ✓ General lubrication of mechanical elements in the food and pharmaceutical industries.

ADVANTAGES:

- ✓ Good capacity to support medium or slightly heavy loads and great range of working temperatures.
- ✓ Low coefficient of friction and greater wear protection, which together with better thermal conductivity and heat evacuation capacity generate lower working temperatures compared to conventional mineral oils.
- ✓ Its low coefficient of friction reduces operating temperature, improves gear performance, and consequently reduces energy consumption.
- ✓ Excellent resistance to thermal degradation, aging and oxidation, avoiding the formation of harmful oxidation products, even at high temperatures, maintaining excellent anticorrosive power.
- ✓ Reduced deposit formation, keeping the gears in an optimal state of cleanliness.
- ✓ Its high viscosity index results in a minimal variation in viscosity against changes in temperature.
- ✓ High adherence and smoothness.
- ✓ Excellent fluidity at extreme low temperatures, which makes it especially useful in freezing systems and industrial cold stores.
- ✓ Compatible with elastomers (NBR, FPM), gaskets, seals and paints used in machinery for food manufacturing and packaging.

SPECIFICATIONS / QUALITY LEVEL

<u>INDUSTRIAL GEARBOXES</u>	<u>HYDRAULIC SYSTEMS</u>
DIN 51517/1 to 3: C, CL and CLP	DIN 51524/2: HLP
ISO 12925-1: CKB and CKC; ISO 6743/6: CKB and CKC	ISO 11158: HM; ISO 6743/4: HM
AGMA 9005-E02: EP ; DAVID BROWN: S1.53.106	

APPROVALS:

- Category Code H1
- NSF Registration No.: 141981



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TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	100	150	220	320	460
ISO grade	ISO 3448	100	150	220	320	460
Viscosity at 40 °C (cSt)	ASTM D-445	90-110	135-165	198-242	288-352	414-506
Viscosity at 100 °C (cSt)	ASTM D-445	13-15	17-20	23-26	29-35	39-45
Viscosity Index; min.	ASTM D-2270	120	120	120	120	120
Flash point, °C, min	ASTM D-92	230	240	240	240	240
Pour point, °C, max	ASTM D-97	-40	-40	-40	-35	-35
4-ball AW test (40 Kg/1200rpm/75°C/1h), scar mm	ASTM D-2266	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
FZG test (load phase pass)	DIN 51354/2	>12	>12	>12	>12	>12
Copper corrosion (3h, 100 °C), grade max.	ASTM D-130	1a	1a	1a	1a	1a

"These data represent mean values after different tests. Given the wide variety of operating conditions, they do not represent a basis for specification setting."

HOW TO USE:

Eliminates rest of previous lubricants before applying any oil from the MAXIGEAR ATOX series. Oil compatible with PAO / Ester / Mineral bases which comply with standard H1.
Applicable through immersion, circulation, injection, drip, brush-paintbrush, manual oiler systems, etc.
Store in an enclosed area. Do not expose to sunlight.

PACKAGING:

20L jerrycan and 200L drum.