

## MAXIGEAR ATOX - Series

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### DESCRIPTION:

Multifunctional **ATOXIC 100% synthetic** lubricant, manufactured with Polyalphaolefin (PAO) oils and ash-free additives, especially for the lubrication of gears and closed gearboxes. Also ideal for hydraulics, compressors, chains and general greasing, where oils with these viscosity grades are required.

Formulated from FDA (Food and Drug Administration) approved components, required for those lubricants used in the food and pharmaceutical industry where there is a risk of technically unavoidable incidental contact between the lubricant and the food.

### PROPERTIES AND ADVANTAGES:

- ✓ Excellent ability to withstand very high loads, as well as a very extensive range of working temperatures.
- ✓ Low coefficient of friction and increased wear protection, which, together with higher thermal conductivity and heat dissipation capacity, results in lower operating temperatures and additional energy savings compared to mechanisms using conventional mineral oils.
- ✓ Excellent resistance to thermal degradation, ageing and rusting, preventing the formation of harmful oxidation products, even at high temperatures, while maintaining excellent anti-corrosion properties.
- ✓ Reduced build-up of deposits, keeping the gears in an optimum state of cleanliness.
- ✓ Its high viscosity index results in a minimal viscosity variation against temperature changes.
- ✓ High adherence and greasiness.
- ✓ Excellent fluidity at extreme low temperatures, making it especially useful in freezing systems and industrial cold stores.
- ✓ Compatible with elastomers (NBR, FPM), gaskets, seals and paints used in food manufacturing and packaging machinery.
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### FIELDS OF APPLICATION:

- ✓ Lubrication of all types of gears under closed crankcase.
- ✓ Piston, vane and blower compressors; vacuum pumps and hydraulic units requiring high viscosity oils (ISO-100 and higher).
- ✓ Lubrication of bearings, plain and anti-friction bearings under crankcase or by circulation systems in closed circuits.
- ✓ Products also suitable and recommended for the lubrication of chains working in extreme temperature ranges.
- ✓ General greasing of mechanical parts in the food and pharmaceutical industry.

### SPECIFICATIONS / QUALITY LEVEL:

<u>GEARBOXES</u>	<u>COMPRESSORS</u>	<u>HYDRAULIC SYSTEMS</u>
DIN 51517/3: CLP	DIN 51506: VCL y VDL	DIN 51524/3: HV
ISO 1295-1: CKC, CKD, CKS	ISO 6521-1: DAC y DAJ	ISO 11158: HV
ISO 6743/6: CKC, CKD, CKS	ISO 6743/3: DAC y DAJ	ISO 6743/4: HV

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### APPROVALS:

Categoría Code H1  
ISO 21469:2006. N°: K-0219680/1  
License HALAL n° IH-986/2.4/M/60  
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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	140	140	140	140	140
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-4172	< 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
NSF Registration N°		170346	141981	170347	170348	170349

" Note : These data represent average values after different tests. Given the wide variety of operating conditions, they do not constitute a basis for specifications. Olipes SL reserves the right to modify the indicated data without prior notice.

### 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.