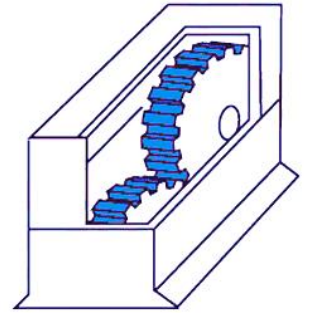


Definition

elesa® GEAR IND FILM EP SERIES is an ultra-refined paraffinic based mineral lubricating oil for industrial gearboxes. Developed with extreme pressure additives, sulfur-phosphorus type and high adhesiveness.

Sectors

- Public works
- Construction.
- Industry.
- Mining and exploration.
- Naval sector.



Properties

The product elesa® GEAR IND FILM EP: Solves the problem of oil slippage and provides optimal oil retention in:

- Large gears.
- Chains and cables at temperatures from -9 to 150 °C.
- Guides in machine tools allowing continuous displacements, without stick-slip effect and allowing better finishes in machine tools.
- Ability to withstand high shock loads, such as those occurring in cylindrical, bevel and helical gears.
- Ability to provide a low coefficient of friction, so necessary in the anti-friction characteristics that oils must have when there are sliding and rolling components, as in the case of worm gears (all of them necessary for a prolonged life of the oil and the mechanisms).
- 5 major advantages with which we avoid 5 serious problems:

ADVANTAGE	PROBLEMS ARE AVOIDED.
Increased resistance to oxidation	Rapid oil aging.
Increased corrosion resistance.	Appearance of corrosion in lubricated mechanisms
Mayor adhesividad	Loss of lubricity due to oil slippage
Good de-emulsion capacity, water separation.	Emulsion formation with the corresponding increase in viscosity, risk of corrosion and failure at the point of contact.
Low foaming and fast deaeration.	Possibility of cavitation effects and lack of oil at the point to be lubricated, leading to metal-to-metal contact.
Excellent quality of paraffinic bases with very low aromatic content, which provides high compatibility with gaskets and elastomers. and elastomers.	Attack on gaskets, sealing problems and leaks.

Health and Safety

There is a corresponding Safety Data Sheet in accordance with current legislation, which provides information on the hazard of the product, handling precautions, first aid measures and available environmental data.



Quality achieved

- ISO/TR 3498 categoría CKC: Approved by DANOBAT GROUP para ISO 100 a 460
- Cumple DIN 51502 CGLP for lubrication of guides and slides in machine tools.
- AGMA 250.04.
- U.S. Steel 224.
- CINCINNATI MILACRON P-47 y P-50.

Features

ESSAY	GEAR IND FILM EP SERIES							
	46	68	100	150	220	320	460	680
Viscosity 100 °C, cSt	6,7	8,6	11,3	14,9	19,2	24,8	30,8	38
Viscosity Index	97	97	97	97	97	97	95	95
SAE Grade	80	80	80	85	90		140	250
Pº Inflammation (V.A.),min.	190	190	200	210	225	230	236	298
Freezing point, °C max.	-12	-12	-12	-12	-12	-9	-9	-9
Corrosion Copper,3h,100ºC	1A							
Demulsibility (82'2ºC) ml:	40-40-0 (20 min) oil-water-emulsion (min)							
Turbine rust Distilled wáter Synthetic seawater	Pasa Pasa							
Timken OK load (lbs)	65							
FZG, etapa	12 Pasa							

The characteristics indicated reflect typical values. They should not be taken as product specifications.

Safe mode of use

The choice of industrial gear oil application method is crucial to ensure optimum performance and long equipment life. The selection of the method will depend on several factors, such as gear type, operating conditions, oil viscosity and maintenance requirements.

- Splash Oil Bath: The gear is partially immersed in an oil bath, which allows the lubricant to adhere to the surfaces by capillary action.
- Drop by drop: Oil is delivered through a feeder that deposits small drops on strategic points of the gear.
- Spray/spray system: The oil is atomized and applied as a mist on the moving gear. Gravity feed: The oil is supplied through a conduit that carries it by gravity to the lubrication point. Perform periodic inspections of lubrication systems and change oil as necessary.
- Safety: Follow safety regulations when handling lubrication oils and equipment. Choosing the proper application method is critical to ensure efficient operation and prolong the life of industrial gears.



Lata: 1 lts, 5 Lts
Bidón: 20, 50 y 200 Lts

Versión. 06-24