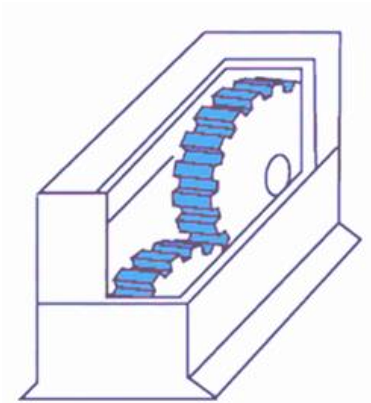


## Definition

elesa® GEAR IND EP SERIES are ultra-refined paraffinic based mineral lubricating oils for industrial gearboxes. They are particularly suitable for all types of enclosed industrial gearboxes or gearboxes lubricated by gushing, splashing or circulation. They are suitable for all cases where maximum levels of oxidation resistance and load capacity are required.

## Sectors

- Public Works
- Agricultural sector.
- Construction
- Foundry
- Power generatio
- Industry
- Metal-mechanics.
- Mining and exploration
- Naval sector



## Properties

- Reduce wear under extreme pressure and boundary lubrication conditions.
- Excellent thermal stability.Very good anti-rust protection, prevents steel corrosion.
- High de-emulsion capacity (fast water separation).
- Good anti-foaming characteristics.
- High resistance to lubricant film breakage.Increases the service life of the gear system.

## Quality achieved

- DIN 51.517 Parte 3 CLP.
- ISO 12925-1 CKC/CKD.
- DAVID BROWN S1.53.101 Type E.
- AGMA 9005/F16.

## Safety and hygiene

There is a corresponding Safety Data Sheet in accordance with current legislation, which provides information on the product's hazard, handling precautions, first aid measures and available environmental data.If you need to request a Safety Data Sheet (SDS) please write to: [marketing@elesalubricantes.com](mailto:marketing@elesalubricantes.com)

## characteristics

CARACTERISTICA	NORMA	GEAR IND EP SERIES								
		46	68	100	150	220	320	460	680	1000
Viscosity 40°C, cSt	ASTM D 445	46	68	100	150	220	320	460	680	1000
Viscosity 100°C, cSt	ASTM D 445	6,7	8,6	11,3	14,9	19,2	24,8	30,8	38	50
Índice Viscosidad	ASTM D 2270	97	97	97	97	97	97	95	95	95
SAE Grade		80	80	80	85	90		140	250	
Pº. Inflammation (V.A.),min.	ASTM D 92	190	190	200	210	225	230	236	298	220
Pº Freezing, °C max.	ASTM D 97	-12	-12	-12	-12	-12	-9	-9	-9	-9
Copper corrosion,3h,100°C	ASTM D 130	1A								
Demulsibility (82'2°C) ml:	ASTM D 1401	40-40-0 (20 min) oil-water-emulsion (min)								
Rust Distilled water Synthetic sea water	ASTM D 665	Pasa Pasa								
Timken OK load (lbs)	ASTM D 2782	65								
FZG, damage level	ASTM D 5182- 19	12								

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.

## Storage

Store in a cool, well-ventilated place, away from heat and sunlight. It is recommended not to store at temperatures above 25°C and below 0°C, store in a dry place away from direct light. It should be kept in the original container.



Lata: 1 lts, 5 Lts

Bidón: 20, 50 y 200 Lts

Versión. 06-24