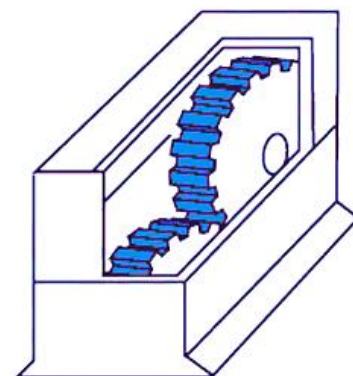


Definition

elesa® GEAR IND EP PLUS 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.

Sectores

- Public works
- Agricultural sector.
- Construction.
- Foundry.
- Power generation.
- 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/E02.
- AIST No.224.
- Cincinnati Milacron P47 y P50.

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.

Features

ENSAYO	GEAR IND EP PLUS SERIES									
	46	68	100	150	220	320	460	680	1000	1500
Viscosity 100°C cSt, ASTM D445	6.7	9,15	11,3	14,9	19,2	23,0	30,8	42,0	43.24	55,74
Viscosity Index, ASTM D2270	97	97	97	97	97	95	95	95	81	80
SAE Grade	20	20	80	85	90		140	250	---	---
Pº. Flamm.(V.A.),°C, ASTM D92	218	210	200	210	225	230	236	236	298	295
Pº. Freezing, °C, ASTM D97	-30	-30	-21	-18	-18	-12	-12	-9	-3	-3
Demulsibility at 82°Cml: oil-water-emulsion(min.), ASTM D1401					40-40-0-(20)					
Oxidation test (312 h, 121'1°C) S-200.Ox					Pasa					
Increase Viscosity 98.9°C, %					4,62					
Precipitation number after test					Null					
Dielectric strength (Kvol), UNE-EN-60156-97					60.3					
4 Ball E.P. ASTM D2783 ⇒ Welding Load (Kg) ⇒ Footprint diameter, mm					Pasa 400 0,33					
FZG, Damage level, DIN 51354 (Part 2)					12 pasa					
Timken OK Load (1lbs), ASTM D2266					70					
Turbine oil rust, ASTM D665 distilled wáter synthetic seawater.					Pasa Pasa					
Corros.copper,3h, 100°C, ASTM D130					1 A					

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

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