



CHALLOILS INGRA SYNT

EP Gear Lubricants

Product Description:

The **INGRA SYNT** are fully synthetic lubricants for industrial gears, designed and formulated to provide optimum equipment protection and good durability in the product service. The lubricants of **INGRA SYNT** series contain advanced additives to provide excellent protection against wear phenomena, and in comparison with conventional gear lubricants provide outstanding protection against rust and corrosion. Particularly suitable for use in all types of gears and gear units subjected to heavy loads and shocks that operate at elevated temperatures. They can also be used for the lubrication of bearing and circulating systems where it is required a long service life even in the presence of high loads.

Features and Benefits:

- Low pour point is high viscosity index allow the use from -30 ° C to 120 ° C.
- Good resistance to high pressures and high loads, which reduces wear even in very hostile environments.
- Excellent stability to temperature and oxidation and resulting in long operating life even in presence of critical operating conditions.
- Low coefficient of friction, with a consequent reduction in fuel consumption and operating temperatures.

Specifications and Approval:

Exceeds requirements: **DIN 5153-3 CLP, US Steel 224**

Typical properties:

CHALLOILS INGRA SYNT

ISO Viscosity Grade	68	150	220	320	460
Viscosity ASTM D-445					
cSt @ 40°C	62 - 71	142 - 155	205 - 225	315 - 325	445 - 470
cSt @ 100°C	8,0 – 9,1	13,8 -15,2	18 – 19,8	29 - 33	39,7 – 44,1
Copper Strip Corrosion (3h a 100°C) ASTM D-130	1b	1b	1b	1b	1b
Pour Point, °C, ASTM D-97	-18	-23	-27	-33	-33
Corrosion of steel	passa	passa	passa	passa	passa
Density @ 15°C, Kg/l, ASTM D-1298	0,870	0,875	0,880	0,890	0,910
Test FZG (A/8.3/90°C) DIN-51354	>12	>12	>12	>12	>12

Health and Safety:

The data related to health, safety and environmental protection are provided in the material safety data sheets.

The above figures are those relating to normal manufacturing tolerances and do not constitute a specification.

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