

Description

High Performance Gear Oil

WS 1035 G is a new generation semi-synthetic oil for high-performance lubrication in industrial gears. It reduces energy consumption by 5-6%. It contains an excellent additive package, carefully selected to withstand extreme loads and pressures, reducing friction to a minimum, thus keeping equipment cooler and extending the life of mechanisms. Its high working capacity under extreme conditions of shock loads, high temperatures and water contamination makes it an excellent product for use in gear line lubrication systems.

Features

- Significantly reduces wear.
- Prevents oxidation and corrosion.
- Prevents pitting on surfaces.
- Minimizes friction.
- Generates high energy savings.
- Provides emergency lubrication to friction surfaces in the event of oil leakage.
- Guarantees lubrication even in the presence of water.
- Reduces oil volatility.
- Excellent hydrolytic and acidity stability.
- Provides high oxidation stability.
- Increases lubricity by 200% compared to conventional oils.
- Increases the polarity of the oil on surfaces.

Applications

- Gear lubrication circulation systems.
- Gear lubrication by splash or forced lubrication.
- Gearboxes and gears under severe working conditions.
- General lubrication systems.
- All types of industry, particularly steelworks, mining and paper mills.

Shelf life

- 4 years from the manufacturing date (Check on the packaging).
- The manufacturing date can be found on the packaging depicted in the following way: YY/DD.

Technical Data

Features	Unit	Typical Value	Typical Value	Typical Value	Typical Value	Typical Value	Norm
Reference	----	WS 1035 G/100	WS 1035 G/150	WS 1035 G/220	WS 1035 G/320	WS 1035 G/460	----
Appearance	----	Liquid	Liquid	Liquid	Liquid	Liquid	----
Colour	----	Amber	Amber	Amber	Amber	Amber	----
Odour	----	Characteristic	Characteristic	Characteristic	Characteristic	Characteristic	----
Density at 15°C	g/cm ³	0,89	0,89	0,89	0,90	0,90	ASTM D-1298
Kinematic Viscosity at a 40°C	cSt	100	150	220	320	460	ASTM D-445
Viscosity index	IV	107	107	106	105	105	ASTM D-2270
Pour point	°C	-17	-17	-15	-12	-12	ASTM D-97
Flash point	°C	245	270	275	279	290	ASTM D-92
4-ball test	Kg	350	350	350	350	350	ASTM D-2783
FZG test	Stage	>12	>12	>12	>12	>12	DIN 51.354
Copper Corrosion 3H 1000°C	----	1a	1a	1a	1a	1a	ASTM D-130