

MAGNUM PETROLEUM LIMITED

Lube Oil Blending Plant (LOBP)
Rupgonj, Narayanganj



PRODUCT DATA SHEET (PDS)



ENERGY GR INDUSTRIAL GEAR OIL ISO 68, 100, 150, 220, 320, 460 series

Industrial Gear Oil Series

Introduction

ENERGY IG INDUSTRIAL GEAR OIL Series are recommended for industrial enclosed gear drives for both circulations and splash systems. It is particularly recommended for gear sets operating under heavy or shock load such as spur, helical and bevel gear applications.

Features & Benefits

- Minimizes friction, resulting in reduced bulk oil temperature
- Effective demulsibility for rapid water separation
- Rust and corrosion protection and resistance to micro-pitting
- Excellent load-carrying capacity and EP properties

Technical Performance Data

TEST PARAMETERS	TEST METHOD	UOM	TYPICAL RESULTS					
			ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460
Appearance	ASTM D 4176	-				B&C	B&C	B&C
Color	ASTM D 1500	-				L 2.5	L 2.5	L 2.5
Density at 15 °C	ASTM D 4052	g/mL				0.8917	0.8925	0.8938
Density at 30 °C	ASTM D 4052	g/mL				0.8826	0.8834	0.8846
Kinematic Viscosity at 40°C	ASTM D 445	cSt				240.8	350.7	502.5
Kinematic Viscosity at 100°C	ASTM D 445	cSt				23.96	31.36	40.78
Viscosity Index	ASTM D 2270	-				124	125	127
Flash Point (FP)	ASTM D 92	°C				248	258	270
Pour Point (PP)	ASTM D 5950	°C				-12	-12	-9
Foaming Seq. I	ASTM D 892	mL				15/0	15/0	15/0
Foaming Seq. II	ASTM D 892	mL				25/0	25/0	25/0
Foaming Seq. III	ASTM D 892	mL				15/0	15/0	15/0
FTIR Scanning	ASTM E 2412	As Ref.				Matches	Matches	Matches

