

MAGNUM PETROLEUM LIMITED

Lube Oil Blending Plant (LOBP)

Rupgonj, Narayangonj



PRODUCT DATA SHEET (PDS)



ENERGY HT HEAT TRANSFER OIL ISO 32, 46 Series

HTO Series

Introduction

ENERGY HT HEAT TRANSFER OIL Series are formulated from hydrocracked mineral base oil. It is intended for use in oil-sealed, open and closed systems with operating temperatures upto **300 °C** and optimize cooling rate.

Features & Benefits

- Strong oxidation stability extends oil life
- Non-corrosive and low-toxicity, being neutral in nature
- Resistance to acid and sludge formation
- High detergency minimizes varnish

Technical Performance Data

TEST PARAMETERS	TEST METHOD	UOM	TYPICAL RESULTS	
			ISO 32	ISO 46
Appearance	ASTM D 4176	-	B&C	
Color	ASTM D 1500	-	L 0.5	
Density at 15 °C	ASTM D 4052	g/mL	0.8547	
Density at 30 °C	ASTM D 4052	g/mL	0.8456	
Kinematic Viscosity at 40°C	ASTM D 445	cSt	30.02	
Kinematic Viscosity at 100°C	ASTM D 445	cSt	5.921	
Viscosity Index	ASTM D 2270	-	146	
Brookfield Viscosity at -20 °C	ASTM D 2983	mPa.s	3280	
Flash Point (FP)	ASTM D 92	°C	240	
Pour Point (PP)	ASTM D 5950	°C	-21	
Foaming Seq. I	ASTM D 892	mL	5/0	
Foaming Seq. II	ASTM D 892	mL	10/0	
Foaming Seq. III	ASTM D 892	mL	5/0	
FTIR Scanning	ASTM E 2412	As Ref.	Matches	

