

MAGNUM PETROLEUM LIMITED

Lube Oil Blending Plant (LOBP)
Rupgonj, Narayanganj



PRODUCT DATA SHEET (PDS)



ENERGY CR AIR COMPRESSOR OIL ISO 46, 68, 100, 150, 220, 320 Series

Compressor Oil Series

Introduction

ENERGY CR AIR COMPRESSOR OIL Series are premium air compressor oil and designed for use in rotary screw, vane, centrifuge and reciprocating air compressors where oil requirements include extended operating-life and rust protection, good water separation and air release characteristics.

Features & Benefits

- Resistance to foaming and sludge deposits
- Protection against rust and corrosion over extended periods
- Excellent water separation and air release properties
- Superior thermal and oxidation stability

Technical Performance Data

TEST PARAMETERS	TEST METHOD	UOM	TYPICAL RESULTS					
			ISO 46	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320
Appearance	ASTM D 4176	-	B&C	B&C	B&C	B&C		
Color	ASTM D 1500	-	L 0.5	L 0.5	L 0.5	L1.5		
Density at 15 °C	ASTM D 4052	g/mL	0.8608	0.8675	0.8692	0.8800		
Density at 30 °C	ASTM D 4052	g/mL	0.8517	0.8583	0.8600	0.8709		
Kinematic Viscosity at 40°C	ASTM D 445	cSt	48.07	71.41	101.6	163.3		
Kinematic Viscosity at 100°C	ASTM D 445	cSt	7.507	9.306	11.75	15.86		
Viscosity Index	ASTM D 2270	-	121	106	104	99		
Brookfield Viscosity at -10 °C	ASTM D 2983	mPa.s	1150	2230	4040	8420		
Brookfield Viscosity at -20 °C	ASTM D 2983	mPa.s	4430	9510	27,300	-		
Flash Point (FP)	ASTM D 92	°C	238	248	256	290		
Pour Point (PP)	ASTM D 5950	°C	-21	-24	-27	-18		
Foaming Seq. I	ASTM D 892	mL	10/0	5/0	5/0	5/0		
Foaming Seq. II	ASTM D 892	mL	15/0	10/0	10/0	10/0		
Foaming Seq. III	ASTM D 892	mL	10/0	5/0	5/0	5/0		
FTIR Scanning	ASTM E 2412	As Ref.	Matches	Matches	Matches	Matches		

