

MAGNUM PETROLEUM LIMITED

Lube Oil Blending Plant (LOBP)
Rupgonj, Narayangonj



PRODUCT DATA SHEET (PDS)



ENERGY GS NATURAL™ SAE 20W-50 API SL/CF, R&P

Premium Motor Oil

Introduction

ENERGY GS NATURAL™ is enhanced performance motor oil for **TGDA** and **non-TGDA** engines. It has more severe applications for the lubrication in terms of wear and deposit control and also have the potential damage control properties against combustion pre-ignition.

Features & Benefits

- Delivers enhanced performance in wear and cleanliness
- Superior fuel economy in the latest **TDGI** engine design
- Protects against the potential **pre-ignition**
- Excellent protection against sludge and deposits

Technical Performance Data

TEST PARAMETERS	TEST METHOD	UOM	SPECIFICATION		TYPICAL RESULTS
			MIN.	MAX.	
Appearance	ASTM D 4176	-	B&C	-	B&C
Color	ASTM D 1500	-	Report	-	Red
Density at 15 °C	ASTM D 4052	g/mL	Report	-	0.8764
Density at 30 °C	ASTM D 4052	g/mL	Report	-	0.8672
Kinematic Viscosity at 40°C	ASTM D 445	cSt	Report	-	157.6
Kinematic Viscosity at 100°C	ASTM D 445	cSt	16.30	21.90	18.52
Viscosity Index	ASTM D 2270	-	115	-	132
Cold Cranking Viscosity (CCS) at -15°C	ASTM D 5293	mPa.s	-	9500	5201
Flash Point (FP)	ASTM D 92	°C	210	-	254
Pour Point (PP)	ASTM D 5950	°C	-	-24	-36
Total Base Number (TBN)	ASTM D 2896	mg KOH/g	5.15	-	5.72
Foaming Seq. I	ASTM D 892	mL	-	10/0	5/0
Foaming Seq. II	ASTM D 892	mL	-	25/0	20/0
Foaming Seq. III	ASTM D 892	mL	-	10/0	5/0
FTIR Scanning	ASTM E 2412	As Ref.	Matches	-	Matches

