

Balmerol[®] Protomac MG 20W40 (SPL)

Multigrade Engine Oil

Technical Data Sheet

Product Description:

Balmerol Protomac MG 20W40 (SPL) oil is multi-grade engine oil designed for all-season applications. Balmerol Protomac MG 20W40 (SPL) oil is blended from high viscosity index base stocks and synergistic combination of additives including high performance detergents/dispersants, shear stable viscosity index improvers and corrosion/oxidation inhibitors. Balmerol Protomac MG 20W40 (SPL) exhibit low ash forming tendencies and are suitable for use under varying climatic conditions.

Balmerol Protomac MG 20W40 (SPL) meets:

- API SC / CC requirements
- US Military MIL-L- 2104 B
- IS: 13656- 2002 type EPL1 / EDL1

Features & Benefits:

Balmerol Protomac MG 20W40 (SPL) provides the following benefits:

- Provides effective control over high temperature stability, wear, corrosion, foaming, & oxidation stability
- Low ash content
- Excellent shear stability to maintain viscosity under heavy duty conditions
- Excellent engine protection and durability even under varying climatic conditions

Applications / Recommendations:

- Recommended for all naturally aspirated and super charged diesel engines and gasoline engines operating under heavy duty conditions with frequent start-stop operations.

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Typical Properties:

Balmerol Protomac MG 20W40 (SPL)	
Properties	Protomac MG 20W40 (SPL)
Colour & Appearance	Clear & Bright
Density @ 30° C (gm/cc), ASTM D 1298	0.882
Kinematic Viscosity, cst @ 100°C, ASTM D 445	15.47
Viscosity Index, minimum, ASTM D 2270	112
Flash Point, COC, °C, ASTM D 92	248
Pour Point, °C, ASTM D 97	- 18
TBN, mg KOH/g, ASTM D 2896	5.06
Foam stability after 10 min. of settling time, quantity of foam, ml, max ASTM D892	
a) at 24 °C	Nil
b) at 93.5 °C	Nil
c) at 24 °C after test at 93.5 °C	Nil

Health and Safety:

Balmerol Protomac MG 20W40 (SPL) is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

Balmer Lawrie & Co. Ltd.
SBU: Greases & Lubricants (G&L) Division
P- 43, Hide Road Extension
Kolkata: 700088
www.balmerlawrie.com