

Balmerol[®] Protosteel 680

Morgan Bearing Oil

Technical Data Sheet

Product Description:

Balmerol Protosteel 680 is a premium quality film bearing oil blended from selected paraffinic base stocks having high VI and excellent oxidation and thermal stability. Balmerol Protosteel 680 is having good demulsibility characteristics thereby making quick separation from water. It has excellent film strength to minimise wear in the roll neck bearing of steel mill. Balmerol Protosteel 680 meets the requirements of Morgoil bearing lubricant specified by Morgan Construction Co., USA and also meets the performance requirements of IPSS- 1-09-001-1997

Features & Benefits:

Balmerol Protosteel 680 provides the following benefits:

- Excellent demulsibility – rapid water separation and hydrolytic stability means increased corrosion protection and reduced downtime through prolonged lubricant life and increased equipment reliability
- Good air release characteristics to minimize cavitations associated damage to circulating pumps
- Superior thermal and oxidative stability – provides reliable performance and extends oil life in severe applications
- Extend oil change life and reduced oil change cost
- Enhanced equipment protection and equipment life

Applications / Recommendations:

- Machine Circulating system
- Oil lubricated bearings
- Roll – neck bearings
- Enclosed industrial gear system

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Typical Properties:

Balmerol Protosteel 680	
Properties	Protosteel 680
Colour & Appearance	Clear & Bright
Density @ 30°C (gm/cc), ASTM D 1298	0.90
Kinematic Viscosity, cst @ 40°C, ASTM D 445	720
Viscosity Index, min, ASTM D 2270	106
Flash Point (COC), °C, min, ASTM D 92	264
Pour Point, °C ASTM D 97	-9
Copper Corrosion @ 100°C, 3hrs, ASTM D 130	1a
Rust test for 24 hrs, Procedure of B of IS:1448 P:96	Pass
Acidity, mg KOH/g, min, ASTM D 664	0.03
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
Demulsibility Characteristics, minutes, ASTM D 1401 (40 - 37 - 3)	10

Health and Safety:

Balmerol ProtosteelS 680 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:

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