

Accurately together...

petroyağ
LUBRICANTS

MORGOİL BR SERIES

Description

MORGOİL BR SERIES oils are conceived and tailored to meet the requirements of the Morgan Construction Company for its oil-film, roll-neck(Morgoil) bearings installed in line with aluminum cold rolling mills. They are high quality lubricating oils for circulating systems that require a long-term lubricant. Special base stocks provide excellent lubrication and stability properties, and carefully selected inhibitors control rusting, oxidation, foaming and ease of water separation as requires by the ``perfect demulsibility`` requirement for this type of bearings. All the oil components have been chosen to assure a stain-free operation even at relatively high levels of contamination of the rolling oil.

Properties / Advantages

- Excellent demulsibility for ready separation from water.
- Very high lubricity and film strength to minimize friction and wear even with shock loads. .
- Good fluidity in cold weather by virtue of the low pour point.
- High viscosity index.
- Minimized foaming and ensured rapid release of entrained air.
- High thermal and oxidation stability to resist gumming, sludging and metal surface staining.
- Non corrosive to steel, aluminum, copper and bronze.
- Excellent protection against rust and corrosion.
- Long service life.

Technical Properties

Property	Test Method	100	150	220	320	460
Odor	-	Typical	Typical	Typical	Typical	Typical
Appearance	ASTM 4176-1	C&B	C&B	C&B	C&B	C&B
Density at 15 °C ,g/cm ³	ASTM D4052	0.860	0.862	0.860	0.860	0.870
Viscosity at 40 °C ,mm ² /s	ASTM D445	100	150	220	300	460
Viscosity at 100 °C, mm ² /s	ASTM D445	15,4	17,5	27,3	39,2	51,2
Viscosity index	ASTM D2270	157	128	158	157	157
Flash Point, COC ,°C	ASTM D92	172	172	172	175	178
Pour Point, °C	ASTM D97	- 24	-24	- 18	- 18	- 18
Sulfated Ash, %wt.	ASTM D2622	Nil	Nil	Nil	Nil	Nil
Sulfur, %wt.	ASTM D2622	Nil	Nil	Nil	Nil	Nil
Neutralization No, mg KOH/gr	ASTM D 974	0,16	0,18	0,18	0,15	0,17
Copper Corrosion test A3	-	1 - 50	1 - 50	1 - 50	1 - 50	1 - 50
Water content, %	-	< 0,02	< 0,02	< 0,02	< 0,02	< 0,02
Solid residue, %	-	Nil	Nil	Nil	Nil	Nil
Al stain test, 300 °C, 1 h	-	No stain	No stain	No stain	No stain	No stain

* The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modification is reserved.

Health & Safety

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet.

Packaging

170 kg drum, 850 kg IBC.

*Revision Date/No:27.10.2011/02