

MAK ROLLING MILL WR GREASE

Description

In any steel plant, rolling process amounts to most consumption of lubricants including both hot rolling and cold rolling. Rolling process is carried out on huge rolling stands which are mounted on the bearings. These bearings are thus subjected to very high temperature and load. Generally, to keep bearing temperatures under control, high pressure water jets are employed which leads to continuous washing away of grease from bearing race

Bharat Petroleum has specifically designed premium quality lithium based EP grease with good water resistance specifically for rolling mills. The grease has also been designed to withstand severe loads and moderate temperatures

Application

The grease is specially recommended for lubricating bearings installed in rolling mills subject to water ingress.

This grease is also suitable for all plain & roller bearings in equipment operating under severe shock loading conditions and temperatures up to about 130°C.

Benefits

- Good Oxidation Stability- Gives enhanced life to the grease lubricant and minimum changing intervals
- Excellent Load Carrying abilities- this grease has good extreme pressure properties, making it suitable to protect and lubricate the machine components even under high loads
- High Drop point- With A higher drop point grease is well suited to lubricate components efficiently under high temperature conditions also.
- Excellent water resistance- Does not wash away due to water sprays over bearings and greases, hence grease consumption also reduces

Performance Level

- Proprietary Grade

Technical Specifications

CHARACTERISTIC	METHOD OF TEST	REQUIREMENT (IPSS)	MAK ROLLING MILL WR GREASE 2
NLGI Consistency Number			2
Worked Penetration at 25°C+/-0.5°C (60 double stroke)	ASTM D 217	280-305	290
Drop Point, °C	ASTM D 2265	180 min	187
Resistance to Water Wash out at 80°C, % loss by mass	ASTM D 1264	10 max	2.14
Thermal Stability, % loss by mass	IS 1448 P:89	5 max	2.4
Oxidation Stability(100 h), drop in pressure Kg/sq cm	ASTM D 942	0.7 max	0.5
Leakage and Deposit forming tendencies (wheel bearing test):	ASTM D 1263		
a) Leakage by mass(g)		5 max	1.3
b) Deposit in the wheel bearing races or the rollers		Shall be free from deposits	Free from deposits
c) Evidence of abnormal changes in the consistency or structure of the material		Observations to be reported	No Change
d) Indication of dry running of races		No dry running of races	No Change
Four Ball Weld Test, Weld Load, Kg	IP:239	250 min	Passes
Corrosion Preventive Test	ASTM D 1743	Shall pass the test	Passes

All the mentioned values are typical which may vary from batch to batch

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept vertically and should be kept away from dusty or heated areas.
- Lid should not be left open and during handling any contact with dust must be avoided
- Containers used for grease transport should be clean and exclusive

Health & Safety

This grade is not hazardous under normal conditions of use. For further guidance Material Safety Data Sheet (MSDS) may be referred

Advice

For any further advice on applications or otherwise, please contact the nearest Bharat Petroleum territory office or Technical Services department at the address given below.

Bharat Petroleum Corporation Ltd.

Product and Application Development Dept.

BPCL 'A' Installation, Sewree Fort Road, Sewree (East)

Mumbai -400015

E-mail: MAKcustomercare2@bharatpetroleum.in

Tel No.: 022-24176351