



Case Study - Rolling Mill Bearing Grease

Application

Rolling mills are an aggressive environment for a grease with high loads and water/contamination. IKV manufacture high performance greases that can withstand water and rolling fluid wash out for applications subject to high impact and shock loading.

IKV have created a lubrication solution designed to: increase efficiency, reduce manufacturing costs, improve productivity and reduce maintenance delays in the lubrication of plain (journal) bearings in rolling mills.



Our customer asked us to address the following problems:-

- Under the high loads the bronze bearings were wearing quickly.
- The cooling pools were filling with oil due to the high consumption which was an environmental concern.

We proposed **IKV TRIBOSTAR MBK 2201/2 G** and the life of the bearings was increased from a week to a month. The consumption of lubricant was reduced from 6 drums to 1 drum over a given period.

ABOUT IKV-TRIBOSTAR MBK 2201/2G

IKV TRIBOSTAR MBK 2201/2 G is a special Barium Complex Grease with a base oil which offers an excellent resistance to aging, chemicals, water-washout, hot water, vapour, acid and alkaline solutions. This product has excellent load carrying capacity and very good temperature resistance. Benefiting from a drop point above 220°C this soap has the advantage of giving grease a very good water resistance as well as good mechanical operating stability.

IKV TRIBOSTAR MBK 2201/2 G is ideal when extended re-lubrication intervals are required. It possesses excellent anti-wear and anticorrosive properties and superior adhesion to metals.

IKV TRIBOSTAR MBK 2001/2 G is resistant to temperatures up to 150°C.

IKV TRIBOSTAR MBK 2001/2 G is compatible with all seals & elastomers except EPDM. It contains graphite as a solid lubricant to further improve load carrying ability especially in cases of extreme pressure and slow speed. It is ideal for all type of rolling bearings, plain bearings or articulations that are highly loaded or moving at slow speed in an aqueous environment.

IKV TRIBOSTAR MBK 2001/2 G is also suitable for highly loaded mechanical parts that require very long re-lubrication intervals.

IKV TRIBOSTAR MBK 2001/2 G is used with great success in the support bearings of hot rolling mills in steel and aluminium processing plants.

Temperature range: -10 to 160°C

IKV Lubricants has been a leader in the field of high performance lubricants for many years & has met the increasing demands for tribological products that meet the requirements of the industries OEM's.