

01 Black Oxidised Coated Bearing

BMI has developed black oxide bearings to boost reliability & performance and slash failure rates by up to 70%.

BMI surface treatment of black oxide can significantly improve performance at acceptable cost.

For a crane application engineers developed the coating to **protect against moisture and aggressive oil ingredients**. It also helps improve friction behaviour and reduce wear particularly under

mixed conditions. The **current application of crane hook used in offshore application** where the bearings are subjected to moisture saw improved bearing life thus resulting in lower downtime.

Benefits

- Improved resistance to corrosion and smearing.
- Reduced wear.
- Lower damage from oil additives
- Improved performance in low lubrication condition.

