Mobil

WYROL B

Mobil Industrial , Greece

Bearing Oil

Product Description

WYROL B Series are low staining bearing oils designed for use in aluminium cold rolling mills. They are formulated using select mineral base oils, a polymeric thickener and performance enhancing additives. If conventional oils contaminate aluminium roll oils as a result of leakage, staining problems are sometimes experienced on the finished aluminium after annealing. WYROL B oils reduce this problem, as the oil is removed from the aluminium piece during the annealing process. They have good anti-wear characteristics and protect heavily loaded bearings from damage and wear. WYROL B oils also exhibit good oxidation stability and corrosion prevention properties. Wyrol B conforms to U.S. FDA Regulation 21 CFR 178.3910(a) "Surface Lubricants used in the manufacture of metallic articles" is used for rolling of foil or sheet stock for food applications.. They therefore can be used as bearing fluids in aluminium rolling mills, which produce products such as foil for use as food packaging materials.

Features and Benefits

WYROL B oils are specifically designed to overcome the problems generated when conventional bearing lubricating oils contaminate the roll oils and result in finished product staining. They also provide very good lubrication characteristics to reduce wear and provide long service life.

WYROL B oils offer the following benefits:

- Very low staining properties improve the production of acceptable materials
- Reduced manpower costs for clean-up and lower scrapage rates
- Good anti-wear characteristics increase bearing life
- High oxidation stability increases oil service life

Applications

The leakage of aluminium roll oil into the bearing system results in the reduction of viscosity of the bearing oil. In such cases, WYROL B 2200, a special concentrate, may be used to adjust the viscosity of the roll oil-contaminated bearing oil to the required level.

- Bearing lubrication in aluminium rolling applications
- They are suitable for bath or mist lubrication systems

Specifications and Approvals

This product meets or exceeds the requirements of:	460
FDA 21 CFR 178.3570	X

Properties and Specifications

Property	460	2200
Grade	ISO 460	ISO 2200
Ash, Petroleum Products, mass%, ISO 6245		Max 0.005
Flash Point, °C, ASTM D93		Min 130

Property	460	2200
Flash Point, Pensky-Martens Closed Cup, °C, ASTM D93	Min 130	
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	460	2200
Neutralization Number, mgKOH/g, ASTM D974	Max 0.8	Max 0.8
Pour Point, °C, ASTM D97	Max -12	Max -12
Viscosity Index, ASTM D2270	160	160

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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