

WYROL B

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 oils conform to U.S. FDA Regulation 21 CFR 178.3570 "lubricants for incidental contact with food". They therefore can be used as hydraulic fluids in aluminium rolling mills, which produce products such as foil for use as food packaging materials.

Features & 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 & Approvals

Wyrol B meets the following industry specifications	220	320	460	1000	2200
FDA 21 CFR 178.3570	X	X	X	X	X

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Typical Properties

Wyrol B	220	320	460	1000	2200
ISO Viscosity Grade	220	320	460	1000	2200
Viscosity, ASTM D 445					
cSt @ 40°C	220	320	460	1022	2200
Viscosity Index, ASTM D 2270	160	160	160	164	160
Ash, wt%, ASTM D 482	Max 0.005	Max 0.005	Max 0.005	-	Max 0.005
Neutralization Number, mg KOH/g, ASTM D 974	Max 0.8	Max 0.8	Max 0.8	-	Max 0.8
Pour Point, °C, ASTM D 97	Max -12	Max -12	Max -12	Max -12	Max -12
Flash Point, °C, ASTM D 93	Min 116	Min 116	Min 130	Min 120	Min 130

Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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