Mobil

# WYROL B

Mobil Industrial , Colombia

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 FDA Regulation FDA 21 CFR 178.3570 "Lubricants with incidental food contact". 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 |
|---|---|
| Grade | ISO 460 |
| Ash, Petroleum Products, mass%, ISO 6245 | |
| Flash Point, °C, ASTM D93 | |

| Property | 460 |
|---|---|
| Flash Point, Pensky-Martens Closed Cup, °C, ASTM D93 | Min 130 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 460 |
| Neutralization Number, mgKOH/g, ASTM D974 | Max 0.8 |
| Pour Point, °C, ASTM D97 | Max -12 |
| Viscosity Index, ASTM D2270 | 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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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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