Mobil

Wyrol™

Mobil Industrial , Norway

Roll Oil Additive Concentrate for Aluminium Rolling Mills

Product Description

Wyrol™ products are a comprehensive range of liquid additive concentrates for optimising the frictional characteristics of cold rolling oils such as the Somentor Series. They are designed and made available to allow aluminium rolling mills to optimise performance from the mill and achieve the required surface finish and quality of the substrate.

Wyrol 2 is an oxidation inhibitor concentrate that is used to extend the life of the roll oil.

Wyrol 4 and 8 are each comprised of a single lubricity additive, together with a small amount of anti-oxidant. These products are used to optimise the properties of aluminium roll oils in terms of their frictional characteristics. They also enable the mill operator the opportunity to optimise the formulation to suit the conditions prevailing on a specific mill.

Wyrol products consist of a combination of different lubricity additives, which together with an oxidation inhibitor, help provide excellent frictional characteristics for a range of cold rolling oils under different conditions. Wyrol 4 is based on acid technology. Wyrol 6 and 10 are based on ester technology. Wyrol 8 is based on alcohol technology. Wyrol 12 containg combination of technologies - alcohol and ester.

Wyrol	2	4	6	8	10	12
Anti oxidant	+	+	+	+	+	+
Alcohol	-	-	-	+	-	+
Ester	-	-	+	-	+	+
Acid	-	+	-	-	-	-

Wyrol 2, 4, 6, 8, 10 and 12 are designed to be in compliance with FDA 21 CFR 178.3910(a), "Surface Lubricants used in the manufacture of metallic articles", and are used for rolling of foil or sheet stock for food applications.

Features and Benefits

Wyrol products offer the following benefits:

Wyrol products provide a high degree of flexibility for the customer to fine-tune roll oils to obtain the optimum performance from their roll oils and the mills. This leads to increased production of acceptable quality material and reduces the potential for reject material.

- Optimised mill production and quality of finished product
- Can significantly extend roll oil life
- Improved finished product quality
- Reduced reject and waste production material

Applications

For optimum performance we recommend to have the product stored in a warmer (30*C) environment for 24 h prior use, this is especially valid if the product has been stored in a temperature below 5 *C for a longer time (several months).

Specifications and Approvals

This product meets or exceeds the requirements of:	10	12	2	4	6	8
FDA 21 CFR 178.3910(a)	X	X	X	X	X	X

Properties and Specifications

Property	10	12	2	4	6	8
Grade	N/A	N/A	N/A	N/A	N/A	N/A
Appearance, AMS 1738	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright
Ash, mass%, ASTM D482	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Density @ 15 C, kg/m3, ASTM D4052	840		830	795	858	830
Flash Point, Pensky-Martens Closed Cup, °C, ASTM D93	80	105	93	93	111	110
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445			2.2			
Neutralization Number, mgKOH/g, ASTM D974	<0.5	<0.1	<0.3	55	<0.2	
Pour Point, °C, ASTM D97	6	18		24	-3	18

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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