Mobil

Wyrol™

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 10, 12 and 15 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 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 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.

Wyrol products offer the following benefits:

- 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

- Additive concentrates for optimising roll oil life and performance in aluminium cold rolling mill applications

Specifications and Approvals

Wyrol meets or exceeds the requirements of:	2	4	6	8	10	12	15
FDA 21 CFR 178.3910(a)	X	X	X	X	X	X	

Typical Properties

Wyrol	2	4	6	8	10	12	15
Appearance, visual	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright	Clear and Bright
Density at 15ºC, kg/m3, ASTM D 4052	830	795	858	830	840	835	846
Kinematic Viscosity at 40ºC, mm2/s, ISO 3104	2.2	2.5	2.3	8.0	2.8	8.2	9.3
Pour Point, ºC, ISO 3016	+18	+24	-3	+18	+6	+18	+9
Flash Point, PM, ºC, ISO 2719	93	93	111	110	80	105	154
Ash Content, mass%, ISO 6245	‹0.005	‹0.005	‹0.005	‹0.005	‹0.005	‹0.005	0.015
Neutralisation number, mgKOH/g, ISO 6618	‹0.3	55	‹0.2	‹0.1	‹0.5	‹0.1	‹0.85

Health and 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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