



Product Bulletin

GULF STAINLESS METAL 13B Cold Roll Oil

Gulf Stainless Metal 13B is a mineral type roll oil used primarily to lubricate and cool the rolls and strips in the cold rolling of ferrous and non-ferrous metals. This roll oil or “roll coolant” is specially compounded to meet a variety of conditions and applications required in the cold rolling of stainless steel, copper, brass, titanium, and aluminum.

FEATURES AND BENEFITS:

Gulf Stainless Metal 13B is formulated with premium quality base oils and fortified with select additives to provide the special characteristics necessary for cold rolling a range of ferrous and non-ferrous material. The special additives reduce friction between the rolls, minimize roll pickup, allow for greater rolling speeds, and can improve the luster and finish of the metal being rolled.

Gulf Stainless Metal 13B is fortified with an effective ashless anti-wear additive, providing increased bearing life on Sendzimir, and other milling applications, where the rolling oil is used as a mill roll bearing lubricant. The premium wetting and load-carrying additives provide outstanding protection in rolling applications. Additionally, this product is formulated with a low carbon-residue base oil, for applications in which degreasing does not take place before the annealing process.

- Anti-wear properties, formulated without zinc-containing additives
- High film strength provides outstanding load carrying protection
- High stability to oxidation for long fluid life
- Anti-rust properties provide protection against rust and corrosion of system components
- High resistance to the formation of foam

APPLICATIONS:

Original equipment manufacturers recommendation and conventional guides to cold rolling lubricant selection should be followed to determine the best Gulf product for a specific application.

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NU-TIER BRANDS, INC.

MANUFACTURER OF GULF LUBRICANTS • GULF OIL LP • TULSA, OK 74133 • Phone 918-550-8026 • Nu-Tierbrands.com

Typical Properties

		13B
Product Code	Test Method	335201
Viscosity, cSt @ 40°C	ASTM D-445	9.5
Viscosity, cSt @ 100°C	ASTM D-445	2.6
Color	Visual	Dark
Flash Point, COC, °F (°C) (min)	ASTM D-92	300 (149)
Chlorine Content		No
Phosphorus Content		Yes
Sulfur Content, ppm		0.01
API Gravity, 60°F	ASTM D-1298	31.4
Density, lbs/gal (g/L)	Calculated	7.09 (850)
Four Ball EP, Weld, kg	ASTM D-2783	250
Copper Corrosion, 3h @ 100°C	ASTM D-130	1A

AVAILABILITY:

Gulf Stainless Metal 13B is available throughout Gulf's marketing area. Your Gulf can provide specific information. Need additional information? Call Gulf @ 1-800-566-GULF (4853) or visit Nu-tierbrands.com.