



# Product Bulletin

## GULF MO-SD BEARING OILS

**Gulf MO-SD Bearing Oils** are high quality, rust and oxidation inhibited circulating and bearing oils that exhibit the “Super Demulsibility” water separation characteristics in the presence of heavy steel mill water contamination. These oils are specifically designed for the lubrication of oil-film bearings on back-up rolls in metal rolling mills. The various viscosity grades exceed the Morgan Construction Company’s requirements for Morgoil Advanced Bearing Lubricant “Super Demulsibility” specification for high speed rod mills.

### APPLICATIONS:

- US Steel 135
- Morgan Construction Co. MORGOIL® Advanced Bearing Lubricant
- ARMCO Circulating Oil

### QUALITIES:

- Outstanding water removal characteristics
- Excellent oxidation resistance provides long service life
- Specially formulated to protect bearing surfaces against rust and corrosion

### Typical Properties

ISO Viscosity Grade		220	320	460	680
Product Code	<b>Test Method</b>	334539	334540	334541	334542
Viscosity, cSt @ 40°C	ASTM D-445	220	320	456	680
Viscosity, cSt @ 100°C	ASTM D-445	18.8	24.0	30.5	39.1
Viscosity Index	ASTM D-2270	99	100	95	95
Color	ASTM D-1500	2.5	3.0	4.0	4.5
Pour Point, °F (°C)	ASTM D-5949	5(-15)	10(-12)	15(-9)	15 (-9)
Flash Point, °F (°C)	ASTM D-92	470(243)	480(249)	500(260)	525(274)
Water Separability, Minutes to pass @ 125°F	ASTM D-1401	25	25	30	30
API Gravity, 60°F	ASTM D-1298A	28.6	27.5	26.5	26.6
Density, lbs/gal		7.36	7.43	7.42	7.48
Foam Stability, Seq. I, II, III	ASTM D-892	Pass	Pass	Pass	Pass

MORGOIL® is a registered trademark of the Morgan Construction Company.

### AVAILABILITY:

**Gulf MO-SD Bearing Oils** are available throughout Gulf’s marketing area. Your Gulf representative can provide specific information. Need additional information? Call Gulf @ 1-800-566-GULF(4853) or visit [Nu-tierbrands.com](http://Nu-tierbrands.com).