



LUBRICANTS



Product Data Sheet

MO-SD Bearing Oil

High Quality Circulating Lubricant with Super Demulsibility

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.

Features and Benefits

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

Applications

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

Typical Properties

ISO Viscosity Grade	Test Method	150	220	320	460	680
Product Code		334538	334539	334540	334541	334542
Viscosity, cSt @ 40°C	ASTM D-445	150	220	320	456	680
Viscosity, cSt @ 100°C	ASTM D-445	16.5	18.8	24.0	30.5	39.1
Viscosity Index	ASTM D-2270	98	99	100	95	95
Color	ASTM D-1500	1.5	2.5	3.0	4.0	4.5
Pour Point, °F (°C)	ASTM D-5949	0(-18)	5(-15)	10(-12)	15(-9)	15 (-9)
Flash Point, °F (°C)	ASTM D-92	470(243)	470(243)	480(249)	500(260)	525(274)
Water Separability, Min.to pass @ 125°F	ASTM D-1401	15	25	25	30	30
Density, lbs/gal		7.30	7.36	7.43	7.42	7.48
Foam Stability, Seq. I, II, III	ASTM D-892	Pass	Pass	Pass	Pass	Pass

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

These properties are typical of current production, minor variations are to be expected in normal manufacturing.

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