



## **CIRCULATING OILS (Morgoils for the Steel Industry)**

**CIRCULATING OILS** are antiwear oils with superior demulsibility. They are designed for circulating systems in which the oil is subject to contamination with large quantities of water, rolling solutions, dirt and scale. Their excellent water separating properties keeps systems cleaner and extending oil life.

**CIRCULATING OILS** contain rust inhibitors that prevent rust and corrosion even when water is present.

Foaming can cause erratic operation and can damage pumps. **CIRCULATING OILS** contain foam inhibitors that prevent foaming and provide more reliable operation.

**CIRCULATING OILS** contain an acidic rust inhibitor and should never be contaminated with motor oils, hydraulic oils, or alkaline solutions. Contamination with such materials will destroy its demulsibility.

**CIRCULATING OILS** should be checked with actual customer water for demulsibility characteristics.

### **BENEFITS:**

- SUPERIOR OIL-WATER SEPARATION
- WEAR PROTECTION
- RESISTANCE TO FOAMING
- CORROSION PROTECTION

### **APPLICATIONS:**

**CIRCULATING OILS** satisfy most of the requirements set Morgan Bearing and Construction Company.

**CIRCULATING OILS** can be used in steel and aluminum rolling mills as a backup roll bearing lubricant. Backup rolling mills where this product may be used include blooming, slabbing, hot and cold strip mills and plate mills

**CIRCULATING OILS** are recommended where contamination with water is a problem and are well suited for systems with sump temperatures at 130-180 F.



## CIRCULATING OILS (Morgoils for the Steel Industry)

ISO Viscosity Grade	150	460	680
Product Code	15183	15187	15188
API Gravity (ASTM D 1298)	28.5	26.0	25.4
Viscosity (ASTM D-445)			
cSt @ 40° C	150	460	680
cSt @ 100° C	14.5	30.5	36.5
SUS @ 100° F	798	2465	3691
SUS @ 210° F	78	150	178
Viscosity Index (ASTM D 2270)	95	95	90
Emulsibility, D 1401 @ 82 C, minutes	15	25	30
Demulsibility, D 2711	pass	pass	pass
Pour Point (ASTM D 97)			
°F	+0	+5	+10
(°C)	(-18)	(-15)	(-12)
Flash Point (ASTM D 92)			
°F	485	550	432
(°C)	(252)	(288)	(222)
Color (ASTM D 1500)	4.5	6.5	6.5
Rust Resistance (ASTM D-665-A)	pass	pass	pass

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.  
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