

# CIRKULA

## *Bearing and Circulating Oil*

**CIRKULA** is a general purpose oil formulated from a selected paraffin base stock with rust and oxidation inhibiting performance. It provides excellent lubrication in bearing and steel mill circulating systems.

### Product Applications:

- Circulating oil system requiring water separation characteristics
- Steel mills with 'MORGOIL®' type bearing system
- Bath and circulating system for enclosed light duty gearboxes where the use of a non-EP rust and oxidation oil is required

### Performance Benefits:

- Excellent water separating characteristics and low foaming tendencies that are suitable for applications where no anti-wear properties are required
- High resistance against oxidation and sludge formation
- Efficient wear control without reacting to a silver plate of certain pump materials due to its zinc-free additive system
- Quick air release properties without excessive foaming
- Enhanced yellow metal corrosion protective properties
- Rapidly sheds water from the oil due to its excellent demulsibility characteristic

### Performance level:

Meets: AIST 120, AIST 125; DIN 51524-1, 2006, DIN 51517-1, 2009, ISO 11158 HL  
 'MORGOIL®' Lubricant Specification Rev1.1

Typical Specifications:						
Test Parameters	Test Method	Results				
ISO Viscosity Grade		68	100	150	220	
Kinematic @ 100°C, cSt	ASTM D7042	8.6	10.7	14.1	18.4	
Viscosity @ 40°C, cSt	ASTM D7042	68	99	150	218	
Viscosity Index	ASTM D2270	97	95	95	95	
Flash Point, °C (min)	ASTM D3828	210	230	240	255	
Pour Point, °C (max)	ASTM D97	-15	-12	-9	-9	
Density @ 15°C, kg/l	ASTM D4052	0.869	0.872	0.874	0.878	
ASTM Color	ASTM D1500	L1.0	L1.0	L1.5	L2.0	

The information contained herein is correct to the best of our knowledge. The recommendation and suggestion contained in this bulletin are made without guarantee of representation as a result. We suggest that you evaluate our recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach or warranty, negligence, or otherwise, is limited to the purchase price of the material.

## CHEMICAL ALLOY CORPORATION