



Quality, service, and customer satisfaction is our driving force.



AFRIQ CIRCULATING OIL 46

DESCRIPTION

Afriq Circulating 46 oils are formulated with carefully selected base stocks and highly effective additives, including rust inhibitors, oxidation and anti-foam agents.

Our circulating oils consists of nine viscosity grades. Eight of these grades are blended to viscosity values that conform to the International Organization for Standardization (ISO) viscosity classification system.

APPLICATION

Contamination of Circulating 46 oils with other products such as detergent motor oils may substantially impair their quality and could lead to operational problems such as foaming, filter plugging and sludge formation.

Afriq Circulating 46 oils are recommended for applications that require dependable lubrication for extended service periods – often for years. They effectively resist high temperatures, prevent rust, and shed entrained water and air.

Afriq Circulating 46 oils give outstanding performance in:

- hydraulic systems,
- circulating lubrication systems,
- gear cases,
- bearings,
- reciprocating natural gas compressors,
- and other industrial units,

for which long trouble-free service is required.

BENEFITS

Rust and Corrosion Protection

Afriq Circulating 46 oils are formulated with rust inhibitors. The heavier grades are tested in the distilled water version only. This circulating oil also passes the ASTM copper strip corrosion test, assuring protection of copper and bronze.

Foam Resistance and Air Release

The trend toward shorter residence time for oils in reservoirs makes it essential that industrial circulating oils resist foaming and readily eliminate entrained air. All our circulating oil grades contain foam inhibitors.

Demulsibility

As water is perhaps the major menace to effective lubrication, it is essential that industrial circulating oils exhibit good demulsibility. All our circulating oil grades shed water readily and are highly resistant to emulsification. These properties promote water separation in the reservoir, thus keeping it from recirculating with the oil. Afriq Circulating Oil typically provide separation times of 15 minutes or less on the standard ASTM D 1401 Demulsibility Test.



In short our Circulating Oil 46 provide the following benefits:

- Complete range of ISO viscosity grades for all requirements
- Well balanced foam resistance and air release
- Rust- and oxidation-inhibited
- Long service life
- Excellent high-temperature stability
- For mild duty turbines, hydraulic systems, circulating systems, gear cases, heat transfer systems, and reciprocating natural gas compressors
- Excellent demulsibility

TYPICAL PHYSICAL CHARACTERISTICS

Circulating Oil	46
ISO viscosity grade	46
Viscosity Index, ASTM D 2270	95
Viscosity, ASTM D 445	
cSt @ 40°C	46.0
cSt @ 100°C	6.6
Pour point, °C (°F), ASTM D 97	-12 (10)
Copper Strip Corrosion, 3 hours, 100°C, ASTM D 130	1B
Emulsion, Time to 3 ml Emulsion, 54°C, ASTM D 1401	15
Emulsion, Time to 3 ml Emulsion, 82°C, ASTM D 1401	-
Rust Prevention, ASTM D 665A	Pass
Rust Prevention, ASTM D 665B	Pass
Neutralization Number, ASTM D 974	0.06