Swift Industrial Circulating Oil Series

A high-performance Circulating Oil

PRODUCT DATA SHEET

Product Description

A high-performance circulating oil formulated with high-quality base oils & advanced additives to provide reliable equipment protection & smooth operation in circulating lubrication systems. It offers excellent oxidation stability, resistance to sludge & varnish formation, & dependable performance in turbines, compressors, vacuum pumps, & bearing applications operating under low to medium severity conditions.

Features & Benefits

- Outstanding thermal & oxidation stability prevents varnish & sludge formation and helps in extending life of oil and filter.
- Excellent water separability reduces sludge build up and improves efficiency of timing valves.
- Excellent air release & anti-foaming characteristics, avoids pump cavitation and eratic operations.
- Excellent load carrying properties reduces wear in pumps, bearings and gears.
- Excellent protection from rust and corrosion of multi-metallurgy compressor components.

Specifications

Swift Industrial Circulating series meets or exceeds following International and Builder specifications:

- DIN 51515 Part-1, GE GEK 28413A
- DIN 51517 Part-2, JIS K-2213 Type-2 w/additives

Application

- Swift Industrial Circulating series are suitable for use in medium severity hydraulics, vacuum pumps and compressors handling air, inert gas and natural gas, up to maximum compressed air temperature of 150 °C.
- Suitable for use in steam turbine, hydro turbine and some gas turbine operating in moderate severity.

Typical Characteristics

Swift Industrial Circulating Oil	Test Method	Units	32	46	68	100
ISO Viscosity Grade	ISO 3448	-	32	46	68	100
Density @ 15 0C	ASTM D 4052	gm/cc	0.870	0.878	0.880	0.887
Viscosity @ 40 0C	ASTM D 445	cSt	32.4	46.8	68.9	100.8
Viscosity @ 100 0C	ASTM D 445	cSt	5.38	6.78	8.72	11.15
Viscosity Index	ASTM D 2270	-	98	98	98	95
Pour Point	ASTM D 97	°C	-18	-18	-15	-15
Flash Point (COC)	ASTM D 92	°C	224	230	234	246
TOST, Hours to 2 NN	ASTM D 943	Hours	5000	4500	3500	3000
Copper Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B
Rust Characteristics Proc B	ASTM D 665	-	Pass	Pass	Pass	Pass
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	10/0	10/0	10/0
Demulsibility, 40/40/0	ASTM D 1401	min	10	10	10	15

The above figures are typical of blends with normal production tolerance and do not constitute a specification.