ATLANTIC CIRCULATING OILS

Premium Performance Circulating Lubricants

PRODUCT DATA

DESCRIPTION

ATLANTIC CIRCULATING OILS are premium performance circulating lubricants formulated from highly refined base stocks and an additive system, which provide an extremely high level of chemical and thermal stability, rapid and complete separation from water and a high resistance to emulsification providing excellent protection against rust and corrosion, including resistance to salt water, and good antiwear properties.

APPLICATIONS

ATLANTIC CIRCULATING OILS are designed specifically for the following applications:

- Turbines with oil supplied by splash, bath, ring oiling or other mechanical means
- Continuous service in plain and roller bearings and parallel shaft gearing
- Land-based and marine steam turbine, hydro turbine and some gas turbine circulation systems, including pumps, valves and other ancillary equipment
- Compressors and vacuum pumps handling air, natural gas, and inert gases, and with discharge temperatures not exceeding 150C
- Moderate severity hydraulic pumps

PROPERTIES

ATLANTIC CIRCULATING OILS have excellent air release properties which allow entrained air to separate, thus avoiding pump cavitation and erratic operation. They have a high viscosity index which ensures minimum variation of film thickness with temperature and minimum power loss during the warm up period.

PRODUCT BENEFITS

- Avoids pump cavitation, noisy and erratic operation
- Excellent level of chemical and thermal stability and resistance to sludging and varnishing
- Long oil charge life in circulation systems and reduced oil replacement costs
- High resistance to foaming and excellent air release
- Long term protection against rust and corrosion
- Longer equipment life, reduced maintenance and downtime
- Excellent anti-wear and low friction properties
- Highly versatile - multiple applications
- Improved operating efficiency
- Excellent water release properties

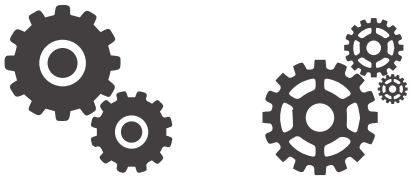
RECOMMENDATIONS / SPECIFICATIONS

Meets or exceeds the requirements of: DIN 51515-1: 2010-02, DIN 51517-2: 2009-06, GE GEK 46506D, GE GEK 27070, GE GEK 28143A, JIS K-2213 Type 2 w/Additives (1983)

TYPICAL TECHNICAL PROPERTIES

ISO Viscosity Grade	32	46	68	100	150	220	320	460
Product code	12572IL	12573IL	12574IL	12575IL	12576IL	12577IL	12578IL	12579IL
Density at 15°C, g/ml, ASTM D4052	0.85	0.86	0.87	0.88	0.884	0.889	0.893	0.891
Kinematic Viscosity at 40°C, mm^2/s, ASTM D445	31.0	44.5	65.1	95.1	150	220	320	460
Kinematic Viscosity at 100°C, mm^2/s, ASTM D445	5.5	6.9	8.7	10.9	14.4	18.4	23.3	28.9
Viscosity Index, ASTM D2270	102	98	95	92	93	92	91	89
Flash Point(COC), °C, ASTM D92	218	222	224	238	242	254	262	270
Pour Point, °C, ASTM D97	-18	-15	-15	15	-12	-9	-6	-3
Copper Strip Corrosion, ASTM D 130,3 hrs @121º C	1B	1B	1B	1B	1B	1B	1B	1B

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.



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