DURALIFE® PREMIUM CIRCULATING & BEARING OILS

DURALIFE® PREMIUM CIRCULATING & BEARING OILS are premium quality, rust and oxidation (R&O) inhibited, antiwear, ashless (zinc-free) circulating oils suitable for large circulating systems. They are used in a variety of applications such as circulatory systems for hydraulic systems, vacuum pumps, rolling mills, reduction gears, air compressors, steam turbines, steam-engine crank-chambers and calenders for both rolling and plain bearings.

APPLICATIONS :
DURALIFE® PREMIUM CIRCULATING & BEARING OILS are recommended for industrial applications, industrial circulating system, direct-drive steam turbines, hydroelectric turbines, gas turbines, rotary and centrifugal air compressors, vacuum pumps, heat transfer fluid where uninhibited oils are recommended. They are also suitable for use in industrial gear drives, plain and rolling element bearings, machine tools, air tools lubricated through airline lubricators, engine air cleaners, process or extender in the rubber and plastic industries.
Meet the requirements of :
DIN 51524, part 1 (HL), Teil 2(HLP); DIN 51517, part 2 (CL) & part 3 (CLP); AFNOR NF E 48-603 (HL); Cincinnati-Machine P-38 (HL-32), P-55 (HL-46), P-54 (HL-68), P-57 (HL-150), P-62 (FC-10)
DIN 51506(VBL, VCL, VDL), DIN 51515, part 1 (L-TD), part 2 (L-TG); Siemens TLV 9013 04/05; British Standard BS 489; SOLAR TURBINES ES 9-224; General Electric GEK 32568 A/C; GEK32568J, GEK 46506E, GEK 101941A; INDIAN STANDARD IS 1012 ;ISO 11158 HH, HL; ISO 8068 TSA, TGA, TGE & TSE; JIS K2213 TYPE 2; CEGB Standard 207001; Brown Boveri HTGD 90117; Westinghouse Electric Corp. Turbine Oil Spec.;
Alstom HTGD 90 117 V0001 S; ASTM D4304Type 1 Turbine Oil, G
U.S. Military MIL-L-17672 D;
Ingersol-Range CentaK Centrifugal Compressors; ISO / DP 6521 (DAA, DAB, DAH, DAG)
AGMA 9005 F-16 R&O
AGMA 250.04, AGMA 9005 - D 94
ASTM D-4304 TYPE I, TYPE II, TYPE III
U.S. Steel 120, 126, 224, 222, 223

BENEFITS :

- Provide long oil life with excellent filterability with all commercial filters, including Fullers Earth.
- Good thermal and oxidation stability.
- Excellent demulsibility as it separate from water easily.
- Good antifoam properties.
- Low carbon residue forming tendencies minimizes deposit formation in air compressor service.

TYPICAL CHARACTERISTICS :

Test	Method	CS 10	CS 15	CS 22	CS 32	CS 46	CS 68
API Gravity	ASTM D287	31.52	31.52	30.77	30.21	29.66	28.93
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	0.868	0.868	0.872	0.875	0.878	0.882
Viscosity @ 40°C, cSt	ASTM D445	10.0	14.8	21.7	30.5	46	66
Viscosity Index	ASTM D 2270	75	84	95	95	95	95
Flash Point, °C (°F)	ASTM D92	180 (356)	177 (350)	200 (392)	230 (446)	230 (446)	230 (446)
Pour Point, °C (°F)	ASTM D97	-27 (-16.6)	-27 (-16.6)	-15 (5)	-15 (5)	-15 (5)	-15 (5)

Test	Method	CS 100	CS 150	CS 220	CS 320	CS 460	CS 680
API Gravity	ASTM D287	28.39	28.21	27.85	26.60	25.37	25.37
Specific Gravity @ 15°C (60°F)	ASTM D1298	0.885	0.886	0.888	0.895	0.902	0.910

Viscosity @ 40ºC, cSt	ASTM D445	95.5	147	220	305	440	680
Viscosity Index	ASTM D 2270	95	95	95	95	95	80
Flash Point, ºC (ºF)	ASTM D92	230 (446)	235 (455)	235 (455)	235 (455)	235 (455)	245 (464)
Pour Point, ºC (ºF)	ASTM D97	-12 (10.4)	-12 (10.4)	-12 (10.4)	-12 (10.4)	-12 (10.4)	-9 (15.8)

The above characteristics are average values based on recent production .Minor variations which do not affect product performance are to be expected in normal manufacture .

WARNING :

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children.

Don't pollute. Conserve resources. Return used oil and bottle to collection centers

Reference SDS Number12030 database on our website at ***www.amtecol.com*** *OR scan the code for a direct link*