DURALIFE® PREMIUM ANTI-WEAR R&O HYDRAULIC OILS

Duralife® Premium anti-wear R&O Hydraulic oils are formulated with premium quality, highly refined high viscosity index base oils and special additives for use in severely stressed hydraulic systems, including high pressure vane pumps . They provide excellent wear control and are fully fortified against corrosion, oxidation and foaming.

APPLICATIONS:

For use in hydraulic systems of mobile and stationary plant including hydraulic systems on farm implements, fleet and construction applications, earthmoving & mining equipment, hydraulic presses, machine tools, oil lubricated electric motors and generators, palletizers, light loaded gearboxes, packaging equipment, calenders, grinders, die casting machines, screw and rotary vane compressors and other equipment requiring a premium quality hydraulic oil.

Duralife® premium anti-wear R&O hydraulic oils meet the following performance requirements:

- Eaton Vickers I-286-S, I-286-S3, M-2950-S
- Racine, variable volume vane pumps.
- DIN 51524, Part 2, Part 3 (2006)
- Jeffrey No.87
- U.S. Steel 126, 127
- General Motors LH-04-1, LH-06-1, LH-15-1
- AFNOR E 48-603
- Denison Parker HF-1, HF-2, HF-0
- Cincinnati Milacron P-68, P-69, P-70
- ANSI/AGMA 9005-E02-RO
- ASTM D 6158 (HM, HV)
- ISO 11158(HM, HV)
- SAE MS 1004(HM, HV)
- GM LS-2
- JCMAS P041 (HK)
- Bosch 07075& 90220
- SEB 181222
- Lee-Norse 100-1
- Ford M-6C32
- B.F. Goodrich 0512
- Racine
- Poclain
- Commercial Hydraulics

BENEFITS :

- Excellent thermal stability and superior filterability even in wet conditions over a wide temperature range.
- Superior hydrolytic stability.
- Prevent rust and corrosion in hydraulic systems.
- Good antifoam to prevent oil saturation and system failure.
- Excellent resistance to sludge and deposits, maintains working components in clean operational condition.
- Quick release of entrained air.
- Special anti-scuff and anti-wear agents extend the lives of gear, vane, axial and radial piston pumps.
- Excellent demulsibility.

TYPICAL CHARACTERISTICS

Test	Method	PAW 10	PAW 15	PAW 22	PAW 32
ISO Viscosity Grade		10	15	22	32
API Gravity	ASTM D287	33.03	32.65	32.46	31.14
Specific Gravity @ 15.6ºC (60ºF)	ASTM D1298	0.860	0.862	0.863	0.870
Viscosity @ 40ºC, cSt	ASTM D445	10	15	22	32
Viscosity Index	ASTM D 2270	100	100	103	101
Flash Point, ºC (ºF)	ASTM D92	190 (375)	190 (375)	190 (375)	200 (392)
Pour Point, ºC (ºF)	ASTM D97	-45 (-49)	-45 (-49)	-45 (-49)	-45 (-49)
Foam Test @ 93.5ºC, ml	ASTM D892	0/0	0/0	0/0	0/0
F Z G Gear Test , Fail stage (A/8.3/90)	ISO 14635-1 / DIN 51354	11	11	11	12
Rusting Test, distilled water	ASTM D 665A	Pass	Pass	Pass	Pass
Rusting Test, synthetic seawater	ISO 7210 / ASTM D 665B	Pass	Pass	Pass	Pass
Color	ASTM D1500	0.5	0.5	0.5	0.5

Test	Method	PAW 46	PAW 68	PAW 100	PAW 150
ISO Viscosity Grade		46	68	100	150
API Gravity	ASTM D287	30.21	29.66	29.29	28.39
Specific Gravity @ 15.6ºC (60ºF)	ASTM D1298	0.875	0.878	0.88	0.885
Viscosity @ 40ºC, cSt	ASTM D445	46	68	100	150
Viscosity Index	ASTM D 2270	102	100	98	98
Flash Point, ºC (ºF)	ASTM D92	200 (392)	210 (410)	210 (410)	230 (446)
Pour Point, ºC (ºF)	ASTM D97	-40 (-40)	-40 (-40)	-30 (-22)	-12 (10.4)
Foam Test @ 93.5ºC, ml	ASTM D892	0/0	0/0	0/0	0/0
F Z G Gear Test , Fail stage (A/8.3/90)	ISO 14635-1 / DIN 51354	12	12	12	12
Rusting Test, distilled water	ASTM D 665A	Pass	Pass	Pass	Pass
Rusting Test, synthetic seawater	ISO 7210 / ASTM D 665B	Pass	Pass	Pass	Pass
Color	ASTM D1500	<1.0	1.5	2	2.5

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 MSDS Number 12027 database on our website at ***www.amtecol.com***