

DURALIFE® PAO SYNTHETIC ANTI-WEAR R&O HYDRAULIC OILS

Duralife® PAO Synthetic Anti-wear R&O Hydraulic Oils are formulated with polyalphaolefin (PAO) base fluids and special additives for use in severely stressed hydraulic systems, including high speed, high pressure, high output vane pumps and other industrial and mobile equipment operating at extreme temperatures. They provide excellent wear control and are fully fortified against corrosion, oxidation and foaming.

They help provide long oil/filter life and optimum equipment protection, which can reduce both maintenance and product disposal costs.

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® PAO Synthetic 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, 136
- ❖ 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
- ❖ Poclairn
- ❖ Commercial Hydraulics

BENEFITS:

- Excellent thermal stability and superior filterability even in wet conditions over a wide temperature range.
- Outstanding pumpability at low temperatures.
- 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.
- Compatible with conventional mineral oils and commonly use seals.

TYPICAL CHARACTERISTICS

Test	Method	PAO HF 32	PAO HF 46	PAO HF 68	PAO HF 100
ISO Viscosity Grade		32	46	68	100
API Gravity	ASTM D287	378.98	37.35	36.55	34.97
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	0.830	0.838	0.842	0.850
Viscosity @ 40°C, cSt	ASTM D445	32	46	68	100\
Viscosity Index	ASTM D 2270	138	140	140	150
Flash Point, °C (°F)	ASTM D92	240 (464)	245 (473)	245 (473)	250 (482)
Pour Point, °C (°F)	ASTM D97	-57 (-71)	-48 (-54)	-48 (-54)	-45 (-49)
Foam Test @ 93.5°C, 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	0.5	0.5	0.5	0.5

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 SDS Number 12118 database on our website at www.amtecol.com OR scan the code for a direct link

