

## DURALIFE® PAG SYNTHETIC BIODEGRADABLE HYDRAULIC FLUIDS

**Duralife® PAG Synthetic Biodegradable Hydraulic Fluids** are full synthetic, water soluble, non-conductive, high performance biodegradable hydraulic fluids, formulated with Polyalkylene glycols and non-toxic additives for use in marine, construction, mining, forestry, agriculture, industrial and mobile applications, and designed specifically for creating a safer workplace in environmentally sensitive areas. They also do not break down to form sludge or hydrolyze in the presence of water.

### APPLICATIONS:

**Duralife® PAG Synthetic Biodegradable Hydraulic Fluids** are recommended for a wide variety of hydraulic systems operating at both low and high pressures, low and high temperatures. They also meet the demands of modern high pressure hydraulic systems upwards of 5,000 psi and 220°F and hydraulic systems with servo valves, and all robotics.

They exceed the biodegradability requirements as defined by EPA 40 CFR, Part 792, OECD 301B and USTC PRO/BIO-BP 111-9 test methods.

### BENEFITS:

- Excellent thermal stability and superior filterability even in wet conditions over a wide temperature range.
- Good fire-resistance.
- Superior hydrolytic stability.
- Prevent rust and against wear and corrosion damage 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 compatibility with commonly used seals, hoses and metals.
- High dielectric properties to eliminate electro-chemical erosion of EHC servo-valves.

### TYPICAL CHARACTERISTICS

Test	Method	BAW 32	BAW 46	BAW 68
API Gravity	ASTM D287		28.39	28.39
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	1.058	1.065	1.040
Viscosity @ 40°C, cSt	ASTM D445	34.0	48.0	70.0
@ 100°C, cSt		7.77	10.3	14.17
Viscosity Index	ASTM D 2270	210	210	212
Flash Point, °C (°F)	ASTM D92	210(410)	243(469.4)	250(482)
Pour Point, °C (°F)	ASTM D97	-55(-67)	-51(-60)	-50(-58)
Biodegradability	OECD 310B	Pass	Pass	Pass
Aquatic Toxicity	OECD 203LC50>100 mg/liter	Pass	Pass	Pass
Foam Test Sequence I, II, III	ASTM D 892	10/0	10/0	10/0
Four Ball EP Test, Weld Load, Kg	ASTM D 2783	160	160	160
F Z G Gear Test , Fail stage ( A/8.3/90 )	ISO 14635-1 / DIN 51354	12	12	12
Rusting Test, synthetic seawater	ISO 7210 / ASTM D 665B	Pass	Pass	Pass

*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 12083 database on our website at [www.amtecol.com](http://www.amtecol.com) OR scan the code for a direct link*

