DURALIFE® PAG/ESTER BIODEGRADABLE SYNTHETIC ROTARY AIR COMPRESSOR OILS

DURALIFE® PAG / ESTER BIODEGRADABLE SYNTHETIC ROTARY AIR COMPRESSOR OILS are manufactured from Polyalkylene glycol (PAG) and Ester base fluids with carefully selected additives to develop for use in applications where operating conditions are unfavorable or too severe in comparison to other synthetic lubricants and mineral based products. They provide excellent anti-wear protection, rust protection, corrosion protection even in the presence of water, foam resistance, oxidation and thermal stability, allow operation at high loads and continuous high temperatures, resist the sludge formation and deposit buildup. Their very low pour points ensure excellent low-temperature fluidity.

APPLICATIONS:
DURALIFE® PAG / ESTER BIODEGRADABLE SYNTHETIC ROTARY AIR COMPRESSOR OILS are recommended for Rotary screw and Rotary vane compressors processing natural gas, carbon dioxide or other hydrocarbon gases, and Centrifugal compressors processing propane refrigerant.
They are also designed for all worm gears, especially for heavy duty, severe service conditions, both in food grade applications, and all types of industrial gears and plain and anti-friction bearings under extremely severe conditions. They are also suitable for "lubricated-for-life" systems and circulating systems where high bulk oil temperatures are found.
Note: *DURALIFE® PAG/ESTER SYNTHETIC COMPRESSOR OILS are not compatible with most other synthetic lubricants and mineral oils. Care should be taken to avoid mixing the two products.*

BENEFITS:

- Superior antirust , anti-wear and EP properties.
- Easy start-up because of excellent low-temperature fluidity - especially important for successful operation of remotely located equipment.
- Extend gear life due to high load carrying and outstanding ability to keep gear surfaces free of deposits. Reduction of maintenance costs as a result of significantly increased life of the lubricant.
- Excellent thermal and oxidation stability will help compressors running cooler and more efficiently, even when the operating temperature is high.
- Non corrosive steel, cast iron, cooper , and bronze.
- Readily biodegradable for reduced environmental impact in case of leaks or spills as well as reduced the problem of condensate disposal.
- Compatible with a wide variety of seals and paints

TYPICAL CHARACTERISTICS :

Test	Method	PEC 32	PEC 46	PEC 55
ISO Viscosity Grade	ASTM D2422	32	46	-
Specific Gravity @ 15.6ºC (60ºF)	ASTM D1298	0.990	0.995	0.996
Viscosity @ 40ºC, cSt	ASTM D445	32	46	55
Viscosity Index	ASTM D 2270	174	174	174
Flash Point, ºC (ºF)	ASTM D92	245 (473)	245 (473)	245 (473)
Pour Point, ºC (ºF)	ASTM D97	-57 (-71)	-57 (-71)	-57 (-71)
Total Acid Number, mgKOH/g	ASTM D974	0.15	0.15	0.15
Rust Test Distilled Water Synthetic Sea Water	 ASTM D665A ASTM D665B	 Pass Pass	 Pass Pass	 Pass Pass
Evaporation Loss, %, 300 ºF, 73 hrs.	ASTM D2878	0.55	0.55	0.55
Biodegradability, OECD 301B, 28 days, %	-	>90	>90	>90
High Pressure Oxidation Test (minutes)	ASTM D2272	>1,800	>1,800	>1,800
4-Ball Wear, Scar Diameter, mm	ASTM D4172	0.55	0.55	0.55
Foam Test (Seq I, II, III), ml	ASTM D 892	Nil	Nil	Nil

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 12129 database on our website at www.amtecol.com OR scan the code for a direct link