



DURALIFE® PAG SYNTHETIC COMPRESSOR OILS

DURALIFE® PAG SYNTHETIC COMPRESSOR OILS are manufactured from Polyalkylene glycol (PAG) base fluids with carefully selected additives to develop for use under severe operating conditions 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 SYNTHETIC 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 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.
- Non corrosive steel, cast iron , cooper ,and bronze.
- Compatible with a wide variety of seals and paints

TYPICAL CHARACTERISTICS :

Test	Method	PC 46	PC 68	PC 100	PC 150	PC 220
ISO Viscosity Grade	ASTM D2422	46	68	100	150	220
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	1.035	1.040	1.048	1.050	1.072
Viscosity @ 40°C, cSt @ 100°C, cSt	ASTM D445	46	68	100	150	220
		8.80	12.5	18.0	26.10	37.8
Viscosity Index	ASTM D 2270	174	186	200	211	225
Flash Point, °C (°F)	ASTM D92	263	265	275	275	280
		(487.4)	(509)	(527)	(527)	(536)
Pour Point, °C (°F)	ASTM D97	-55	-50	-50	-48	-33
		(-67)	(-48)	(-48)	(-54)	(-27.4)
F Z G Gear Test , Fail stage (A/8.3/90)	ISO 14635-1 / DIN 51354	>10	>10	>12	>12	>12
Foam Test Seq 1 , ml	ASTM D 892	10/0	10/0	10/0	10/0	10/0

Test	Method	PC 320	PC 460	PC 680	PC 1000
ISO Viscosity Grade	ASTM D2422	320	460	680	1000
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	1.072	1.072	1.075	1.076
Viscosity @ 40°C, cSt @ 100°C, cSt	ASTM D445	320	460	680	1000
		54.0	76.3	112.7	162.0
Viscosity Index	ASTM D 2270	236	248	265	280
Flash Point, °C (°F)	ASTM D92	280	280	260	260
		(536)	(536)	(500)	(500)
Pour Point, °C (°F)	ASTM D97	-30	-30	-33	-33
		(-22)	(-22)	(-27)	(-27)
F Z G Gear Test , Fail stage (A/8.3/90)	ISO 14635-1 / DIN 51354	>12	>12	>12	>12
Foam Test Seq 1 , ml	ASTM D 892	10/0	0/0	0/0	0/0

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 No 12059 database on our website at
www.amtecol.com

