



DURALIFE® PAO SYNTHETIC AIR COMPRESSOR OILS

DURALIFE® PAO SYNTHETIC AIR COMPRESSOR OILS are formulated with polyalphaolefin base stocks and a specialized additive system to provide outstanding thermal and oxidation stability, long oil life and effective lubrication in severe applications.

APPLICATIONS :

DURALIFE® PAO SYNTHETIC ROTARY AIR COMPRESSOR OILS are recommended for use in rotary, vane, screw air compressors, axial and centrifugal compressors, reciprocating compressors, compressor systems with critical gears and bearings and compressors used in stationary and mobile applications where high temperatures and severe service conditions are encountered and where extended oil change periods are desired. They are also used in multistage units with a history of excessive oil degradation from mineral oil-base products, compressor systems with critical gears and bearings.

BENEFITS :

- Service life up to 12,000 hours and compressor running at pressures over 25 bar.
- Superior oxidation resistance and high temperature stability. They significantly reduce the potential for fires and explosions when compared to mineral oil-based products.
- Very good rusting, wear and corrosion protection.
- Extend oil life thus reducing maintenance, downtime and costs.
- Minimize entrained air, which could otherwise result in reduced lubricant film thickness and potentially lead to pump cavitation.
- Excellent water separability, helping to keep the system in good condition even when contaminated with water.
- Good low temperature fluidity.

TYPICAL CHARACTERISTICS:

Test	Method	PSC 32	PSC 46	PSC 68	PSC 100	PSC 150	PSC 220	PSC 320	PSC 460
API Gravity	ASTM D287	36.95	35.95	35.36	35.17	34.97	34.58	32.46	32.08
Specific Gravity @ 15.6°C (60°F)	ASTM D1298	0.84	0.845	0.848	0.849	0.850	0.852	0.863	0.865
Viscosity @ 40°C, cSt	ASTM D445	32	46	68	100	150	220	320	460
Viscosity Index	ASTM D 2270	127	130	135	140	145	158	145	142
Flash Point, °C (°F)	ASTM D92	230 (446)	230 (446)	240 (464)	250 (482)	260 (500)	265 (509)	265 (509)	265 (509)
Pour Point, °C (°F)	ASTM D97	-50 (-58)	-45 (-49)	-45 (-49)	-42 (-44)	-42 (-44)	-40 (-40)	-35 (-31)	-30 (-22)
FZG Load Support, Fail Stage	DIN 51534	> 12	> 12	> 12	> 12	> 12	> 12	> 12	> 12
Oxidation Stability, minutes to 25psi pressure drop	ASTM D 2272	1500	1500	1500	1500	1500	1500	1500	1500
Rust prevention properties	ASTM D 665B	pass							
Water separability, minutes	ASTM D 1401	10	10	10	10	10	10	10	10

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 12087 database on our website at www.amtecol.com OR scan the code for a direct link

