



DURALIFE® SYNTHETIC FOOD MACHINERY COMPRESSOR LUBRICANTS

DURALIFE® SYNTHETIC FOOD MACHINERY COMPRESSOR LUBRICANTS are high performance, premium quality food grade full synthetic fluids blended from polyalphaolefin (PAO) synthetic base oils and additives to meet the stringent requirements of the NSF International guidelines for incidental food contact . They are designed specifically for all types of compressors in food, feed & pharmaceutical processing, bottling and packaging industry operating under severe conditions subject to extreme high or low temperatures.


APPLICATIONS :


DURALIFE® SYNTHETIC FOOD MACHINERY COMPRESSOR LUBRICANTS are recommended for rotary screw, rotary vane, reciprocating, centrifugal compressors in canneries, beverage bottling plants, breweries & wineries, drinking & potable water treatment, potato/corn chip plants, bakeries, sugar & candy manufacturers, cheese product producers, pasta manufacturers, vegetable & fruit processors, meat and poultry processing plants, seamers, egg processing plants, fish & seafood processing plant, frozen food plants, pet food & animal feed producers and other food manufacturing & processing plants. It also is recommended for pharmaceutical industry such as pharmaceutical & drug manufacturers, cosmetic manufacturers.

BENEFITS :

- H1 food grade compressor oil.
- High viscosity index for improved system performance.
- Excellent wear, corrosion and rust protection. High load anti-wear protection.
- Wide temperature range. Excellent resistance to thermal degradation.
- Inherently good water shedding properties and resistance to foaming.
- Superior oxidative and thermal stability.
- Very low varnish and sludge tendencies.
- Excellent demulsibility.
- Excellent lubrication under heavy loads.
- Compatibility with all types of seals and coatings.
- Lower maintenance cost s through extended drain intervals.

TYPICAL CHARACTERISTICS :

Product Specifications	Test Method	PAO FMCOM 32	PAO FMCOM 46	PAO FMCOM 68	PAO FMCOM 100	PAO FMCOM 220	PAO FMCOM 320	PAO FMCOM 460
ISO Grade		32	46	68	100	220	320	460
Specific Gravity @ 15.6°C	ASTM D 1298	0.832	0.831	0.834	0.843	0.853	0.855	0.857
Color	ASTM D 1500	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Viscosity	ASTM D 445							
@ 40 °C , cSt		33.0	46.0	68.0	100.0	218.0	320.0	460.0
@100 °C, cSt		6.10	7.80	10.20	14.2	25.7	34.0	44.41
Viscosity Index	ASTM D 2270	134	139	142	145	150	150	150
Flash Point, °C (°F)	ASTM D92	249 (480)	256 (492)	262 (503)	263 (505)	280 (536)	285 (545)	285 (545)
Pour Point, °C (°F)	ASTM D 97	-54 (-65)	-46 (-50)	-43 (-45)	-41 (-42)	-40 (-40)	-40 (-40)	-40 (-40)
Copper Corrosion	ASTM D 130	1a	1a	1a	1a	1a	1a	1a
Rust test A&B	ASTM D 665	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Foam Sequence I, II, III	ASTM D 892	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Demulsibility/10 MIN.	ASTM D 1401	40/40/00	40/40/00	40/40/00	40/40/00	40/40/00	40/40/00	40/40/00
Four-Ball Wear Test, 1hr, 1200 rpm, 75 °C, 40Kgf, mm	ASTM D 2266	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Specification & Certificates								
	NSF International Registration #	158085	158086	158087	158088	-	-	-

	HALAL Certificate #	HPR 3377 – O/G	-	-	-
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*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 Number 12135 database on our website at www.amtecol.com

