



## DURALIFE® SYNTHETIC FOOD MACHINERY VACUUM PUMP FLUIDS

**DURALIFE® SYNTHETIC FOOD MACHINERY VACUUM PUMP FLUIDS** are high performance, premium quality food grade full synthetic fluids blended from polyalphaolefin (PAO) synthetic base oils and food grade anti-wear, rust and oxidation inhibitors to meet the stringent requirements of the NSF International guidelines for incidental food contact . They are designed specifically for modern, demanding vacuum systems 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 VACUUM PUMP FLUIDS** are recommended for vacuum systems 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 vacuum pump 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 FMVP 22	PAO FMVP 32	PAO FMVP 46	PAO FMVP 68	PAO FMVP 100	PAO FMVP 150
ISO Grade		22	32	46	68	100	150
Specific Gravity @ 15.6°C	ASTM D 1298	0.822	0.828	0.831	0.834	0.843	0.845
Color	ASTM D 1500	0.5	0.5	0.5	0.5	0.5	0.5
Viscosity	ASTM D 445						
@ 40 °C , cSt		22.0	32.0	46.0	68.0	100.0	150.0
@100 °C, cSt		4.80	6.40	7.80	10.20	14.2	18.87
Viscosity Index	ASTM D 2270	145	157	139	142	145	142
Flash Point, °C (°F)	ASTM D92	227 (440)	238 (460)	256 (492)	262 (503)	263 (505)	263 (505)
Pour Point, °C (°F)	ASTM D 97	-48 (-54)	-46 (-50)	-46 (-50)	-43 (-45)	-41 (-42)	-41 (-42)
Copper Corrosion	ASTM D 130	1a	1a	1a	1a	1a	1a
Rust test A&B	ASTM D 665	Pass	Pass	Pass	Pass	Pass	Pass
Foam Sequence I, II, III	ASTM D 892	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
<b>Specification &amp; Certificates</b>							
	NSF International Registration #	158089	158090	158091	158092	158093	158094

	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 12141 database on our website at*  
[www.amtecol.com](http://www.amtecol.com)

