



DURALIFE® FOOD MACHINERY HYDRAULIC OILS

DURALIFE® FOOD MACHINERY HYDRAULIC OILS are tasteless, odorless, ashless, non-toxic, premium quality food grade anti-wear lubricants designed specifically for use in hydraulic systems, all types of compressors & vacuum pumps in food, feed & pharmaceutical processing, bottling and packaging industry. They are formulated from high quality food grade base oils and additives to meet the stringent requirements of the NSF International guidelines for incidental food contact.

APPLICATIONS :

DURALIFE® FOOD MACHINERY HYDRAULIC OILS are recommended for high pressure hydraulic systems, compressors, vacuum pumps, circulating oil system, airline lubricators, plain and anti-friction bearings, hydrostatic gears 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.



DURALIFE® FOOD MACHINERY HYDRAULIC OILS meet the requirements of all major hydraulic pump manufacturers.

- ❖ Cincinnati Milacron P-68, P-69, P-70.
- ❖ Visker's 104 vane pump wear test.
- ❖ DIN 51524 HLP/HVLP

BENEFITS :

- H1 food grade hydraulic oil.
- Hydraulic Systems operating 1000 PSI and over.
- Excellent wear, corrosion and rust protection.
- Rapid water separation.
- Superior oxidation resistance.
- Excellent air release and antifoam characteristics prevent cavitation.
- Excellent lubrication under heavy loads.
- Better adhesion on surface
- Compatibility with all types of seals and coatings.
- Longer service life and less deposit formation and lower maintenance costs.

TYPICAL CHARACTERISTICS :

| Product Specifications | Test Method | FMAW 10 | FMAW 15 | FMAW 22 | FMAW 32 | FMAW 46 | FMAW 68 | FMAW 100 |
|---|----------------------------------|---------------|---------|---------|---------|---------|---------|----------|
| ISO Grade | | 10 | 15 | 22 | 32 | 46 | 68 | 100 |
| Specific Gravity @ 15.6°C (60°F), | ASTM D 1298 | 0.86 | 0.862 | 0.863 | 0.865 | 0.865 | 0.868 | 0.87 |
| 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 | | 11 | 15 | 21.5 | 32.5 | 46.5 | 68.2 | 98.3 |
| @100 °C, cSt | | 2.7 | 3.4 | 4.2 | 5.58 | 6.76 | 8.85 | 11.18 |
| @100 °F, SUS | | 65 | 83 | 113 | 169 | 240 | 354 | 512 |
| @210 °F, SUS | | 35.4 | 37.7 | 40.4 | 45 | 48.9 | 56.1 | 64.6 |
| Viscosity Index | ASTM D 2270 | 95 | 95 | 96 | 98 | 98 | 98 | 98 |
| Flash Point, °C | ASTM D92 | 177 | 187 | 199 | 209 | 219 | 245 | 260 |
| Pour Point, °C | ASTM D97 | -18 | -18 | -15 | -15 | -15 | -15 | -18 |
| Specification & Certificates | | | | | | | | |
|  | NSF International Registration # | 151919 | 151920 | 151921 | 151922 | 151691 | 151923 | 151924 |
|  | HALAL Certificate # | HPR 1832- O/G | | | | | | |

*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 12105 database on our website at **www.amtecol.com***