



# Pure Synthetic Hydraulic Oils

## DS-4608-32-F, DS-4608-46-F, DS-4608-68-F

### Product Description

DS-4608-F series hydraulic oils are custom formulated polyalphaolefin (PAO) synthetic hydrocarbons giving improved lubrication at high and low temperatures, reduced volatility, and compatibility with mineral oils and equipment designed for use with mineral oils. They are formulated with additives for rust and oxidation inhibition and anti-wear.

DS-4608-F oils meet 21 CFR 178.3570 requirements for lubricants with the possibility of incidental food contact. They are authorized by the USDA for use in federally inspected meat and poultry plants (H-1).

### Typical Applications

- Hydraulic systems using vane, piston, or gear type pumps.
- Food handling reciprocating air compressors.

### Typical Properties\*

Viscosity	32-F	46-F	68-F
@ 40°C cSt per ASTM D445	31.4	46.9	68.5
@ 100°C cSt	6.0	7.9	10.4
@ 100°F SUS	160	239	351
@ 210°F SUS	45.9	52.5	61.0
Viscosity Index, per ASTM D2270	140	140	140
Flash Point, C.O.C., °F (°C) per ASTM D92	464(240)	514 (268)	519 (268)
Fire Point, C.O.C., °F (°C) per ASTM D92	514 (268)	554 (290)	568 (298)
Pour Point, °F (°C) per ASTM D97	-87 (-66)	-76 (-60)	-60 (-51)
Density lb./gal. 60°F (15°C)	6.88	6.91	6.96
Specific Gravity @ 72°F per ASTM D1298	0.826	0.829	0.835

\*These values are not intended for use in preparing specifications.

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