

Pure Synthetic Gear Oils DS-4617-150-F. DS-4617-220-F. DS-4617-320-F. DS-4617-460-F

Product Description

DS-4617-F series products are custom formulated polyalphaolefin (PAO) synthetic hydrocarbon fluids giving improved lubrication at high and low temperatures, reduced volatility, and compatibility with mineral oils and equipment designed for use with mineral oils. These products are intended for enclosed gear sets operating under high load conditions and at severe temperatures. They can be used at temperatures as low as -35°F (-37°C) and as high as 250°F (121°C).

DS-4617-F series products are authorized by the USDA for use in federally inspected meat and poultry plants (H-1). They comply with FDA 21CFR 178.3570 for incidental contact with food.

Typical Applications

- Enclosed gear sets at extreme temperatures.
- Food grade chain lubrication.
- Food grade rail lubrication (grades 320-F and 460-F only).

Typical	Properties*
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Viscosity		150-F	220-F	320-F	460-F			
@ 40°C cSt per A	STM D445	147.7	217.4	320.0	392.0			
@ 100°C cSt		18.2	24.4	33.0	38.8			
@ 100°F SUS		763	1128	1668	2045			
@ 210°F SUS		92.4	119.8	160.0	186.8			
Viscosity Index, per ASTMD 2270		138	141	145	147			
Flash Point, C.O.C., °F (°C) per ASTM D92		530 (277)	535 (279)	540 (282)	545 (285)			
Fire Point, C.O.C., °F (°C) per ASTM D92		580 (304)	585 (307)	592 (311)	595 (313)			
Pour Point, °F (°C) per ASTM D97		-49 (-45)	-46 (-43)	-38 (-39)	-35 (-37)			
Density lb./gal. 60°F (15°C)		7.04	7.05	7.08	7.10			
Specific Gravity @ 72°F per ASTM D1298		0.845	0.846	0.850	0.852			
*These values are not intended for use in preparing specifications.								

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