



FPC LUBRICANTS

FPC COMP D SERIES

DIESTER-BASED COMPRESSOR LUBRICANTS

APPLICATIONS:

The FPC COMP D Series are synthetic compressor oils specially formulated with premium synthetic ester base fluids for use in a wide variety of air compressors. FPC COMP D8068 is designed from diester base oils for rotary screw, rotary vane and reciprocating compressors offering a typical service life of 8,000 hours under good operating conditions. FPC COMP D8100 & D8150 are designed from diester base oils for reciprocating compressors and are recommended for high pressure air compressors.

FPC COMP D8100 & FPC COMP D8150 are recommended for reciprocating compressors and vacuum pumps using the following gases:

Air	Ethylene	Methane	Propane
Butadiene	Natural Gas	Synthesis Gas	Carbon Monoxide
Carbon Dioxide (dry)	Helium	Hydrogen Sulfide (dry)	Nitrogen
Furnace (crack) Gas	Hydrogen	Sulphur Hexafluoride	

Nominal Operating Range is -15°C to 230°C (5°F to 445°F)

TYPICAL INDUSTRIALAPPLICATIONS:

- Rotary Screw Compressors
- Rotary Vane Compressors
- Reciprocating Compressors
- High Pressure Air Compressors
- Vacuum Pumps

PERFORMANCE BENEFITS:

- Outstanding thermal and oxidative stability
- Will not varnish or form carbon deposits
- Wide operating temperature range
- Built in detergency action
- Extended drain intervals reduces oil disposal, thus increasing cost effectiveness
- Caution: May affect some paint finishes, plastics and seals
- USDA H-2 authorized



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TYPICAL PROPERTIES	TEST METHOD	FPC COMP D8068	FPC COMP D8100	FPC COMP D8150
ISO Grade	ASTM D2422	68	100	150
SAE Grade	SAE J-300	20	30	40
Viscosity @ 40°C,cSt	ASTM D445	70	99	146.5
Viscosity @ 100°C,cSt	ASTM D445	7	10.2	13.3
Viscosity Index	ASTM D2270	60	83	90
Flash Point, °C/°F	ASTM D92	277/531	260/500	271/520
Pour Point, °C/°F	ASTM D97	-42/-44	-33/-27	-40/-40
Copper Corrosion	ASTM D130	1a	1A	1a
Foaming Sequences I, II, III	ASTM D892	< 10/0	< 10/0	< 10/0
Demulsibility	ASTM D1401	Excellent	Excellent	Excellent
Evaporation, %	ASTM D972	1.0	1.0	1.0
Carbon Residue, %	ASTM D189	<0.01	<0.01	<0.01
Specific Gravity	ASTM D1298	0.96	0.95	0.93