

## SYNTHETIC POE COMPRESSOR OIL

### OZONE-FRIENDLY FOR REFRIGERATION COMPRESSORS

The **XL-7338** POE oils are synthetic lubricants formulated from selected polyolester base stocks in combination with unique performance-enhancing additives that provide outstanding lubricity, wear protection, chemical and thermal stability, and proper miscibility. The products are specifically developed to lubricate compressors and systems components where HFC refrigerants are used. HFCs are ozone-friendly, chlorine-free refrigerants that are replacing CFCs (chlorinated fluorocarbons) in the world market.

**XL-7338** is recommended for all working conditions, from light, intermittent loads to heavy, continuous loads. **XL-7338** prevents the build-up of dirt and carbon in valves and other moving parts of the compressor.

**XL-7338** POE oil products are available in most standard ISO viscosity grades. They are suitable for use in domestic, commercial and industrial refrigeration and air conditioning systems where HFC refrigerants are used. The products meet or exceed the performance requirements of major compressor and system manufacturers worldwide.

**BENEFITS:**

**XL-7338** POE lubricants will provide the following benefits when used with HFC refrigerants:

- High system efficiency
- Long lubricant life
- Outstanding protection against compressor wear
- Properly controlled miscibility
- Excellent low-temperature fluidity
- Excellent high-temperature stability
- Excellent hydrolytic stability

#### TYPICAL SPECIFICATIONS

Product Code: XL-7338	/010	/015	/022	/032	/046	/068	/100
ISO Grade	10	15	22	32	46	68	100
Viscosity (cSt @ 40°C) (ASTM D-445)	10.1	15.4	23.6	31.8	46.0	62.5	95.8
(cSt @ 100°C) (ASTM D-445)	2.7	3.6	4.7	5.5	6.9	8.3	10.5
Viscosity Index	105	117	116	109	104	101	91
Flash Point (°C)	182	237	245	245	251	254	260
Pour Point (°C) (ASTM D-97)	-54	-54	-54	-54	-51	-43	-37
Copper Strip Test (100°C for 3 hours)	1A	1A	1A	1A	1A	1A	1A
Refractive Index (@ 20°C) (ASTM D-1218)	1.440	1.448	1.453	1.453	1.454	1.454	1.455
Specific Gravity (g/ml) (ASTM D-4052)	0.917	0.998	1.002	0.993	0.975	0.971	0.966
Total Acid Number (mg HOH/g) (ASTM D-974)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Water Content (ppm) (ASTM E-1064)	<50	<50	<50	<50	<50	<50	<50
Miscibility, 10% in R-134a (°C)	<-60	<-65	-53	-56	-50	-42	-35
Falex Pin/V-Block Test (lb) (ASTM D-3233)	1000	1400	1300	1200	1100	1070	1000
Shell 4 Ball Wear Test (ASTM D-4172) 20 kg, 1200rpm, 60°C, 1 hr, scar diam mm	0.76	0.72	0.79	0.71	0.72	0.83	0.80
Colour (ASTM D-1500)	0.5	0.5	0.5	0.5	0.5	0.5	0.5



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