

SYNTHETIC ESTER Compressor Oils

Description

Synthetic Ester Compressor Oils are formulated with esters and ashless additives. They are designed for use in rotary and reciprocating air compressors and vacuum pumps where the viscosity, technical properties and product design are appropriate. All viscosity grades of **Synthetic Ester Compressor Oils** are long-life products. Oil life is dependent upon operating conditions and maintenance practices. A regular oil analysis program is recommended. **Synthetic Ester Compressor Oils** are not recommended for Breathing Air or Refrigeration Compressors.

Features/Benefits

- ✓ **Superior Anti-foam Properties**
Provides improved film strength and heat control
- ✓ **Manages Water Contamination**
Readily separates from water for easy removal and disposal, protects against rust and corrosion
- ✓ **Resists Varnish and Carbon Deposits**
Helps extend valve life and reduce maintenance
- ✓ **Long Life**
Reduces maintenance costs

Material Compatibility

	Recommended	Not Recommended
Seals	Viton, High Nitrile Buna N (>36%), Teflon	Neoprene, SBR Rubber, Low Nitrile Buna N
Paints	Epoxy Paint, Oil-Resistant Alkyd, Two-Part Urethane	Acrylic Paint, Lacquer
Plastics	Nylon, Delrin, Celcon, PBT	Polystyrene, PVC, ABS
Oils	Petroleum, PAO, Diester, Polyol Ester	Polyglycol (PAG), Silicone

Physical, Chemical & Performance Properties

Product Number	644	645	646	647	648
ISO Viscosity	32	46	68	100	150
Viscosity @ 100°C, cSt	6.0	7.7	9.5	11.3	13.9
Viscosity @ 40°C cSt	32.5	45.8	69.2	98.5	150.3
Viscosity Index	133	135	116	101	87
Density (lb/gal)	7.617	7.612	7.706	7.747	7.851
Flash Point, °C (°F)	255 (491)	252 (486)	258 (496)	248 (478)	254 (489)
Fire Point, °C (°F)	281 (538)	277 (531)	278 (532)	278 (532)	278 (532)
Pour Point, °C (°F)	-52 (-62)	-49 (-56)	-42 (-44)	-40 (-40)	-31 (-24)
Rust Procedure A	PASS	PASS	PASS	PASS	PASS
Foam Tendency	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0