

Pale Oil

Refrigeration Fluids



Description

Pale Oil refrigeration fluids are designed for use as a cost effective fluid in General refrigeration applications.

The fluid is refined from carefully chosen wax free naphthenic crude oil basestocks to ensure the optimum quality product.

Applications and Compressor Type

- Ammonia compressors
- Process gas rotary screw
- Process gas reciprocating compressors



Features and Benefits

Oxidatively stable

Longer system life

Low carry-over

Improve evaporator efficiency

Corrosion protection

Enhanced system reliability and reduced down-time

Low pour point

Easier removal of the oil

Low volatility

Reduced maintenance, reduced top-up

Physical properties

Test Procedure*	Method	32	46	68	100
ISO VG					
Viscosity @ 40°C (cSt.)	ASTM D445	30.7	42.4	60.7	92.4
Viscosity @ 100°C (cSt.)	ASTM D445	4.6	5.7	7.0	8.7
Viscosity Index	ASTM D2270	32	59	59	49
Density @ 15°C (g/ml)	ASTM D4052	0.8904	0.8988	0.9024	0.9096
Pour Point (°C)	ASTM D97	-45.6	-42.8	-30	-24.4
Flash Point C.O.C., (°C)	ASTM D92	165.6	168.3	173.9	204.4
Fire Point C.O.C., (°C)	ASTM D92	173.9	176.7	182.2	215.6
Specific Gravity	ASTM D4052	0.89	0.897	0.905	0.910
Floc Point (°C)	FTM 1303.2	-45.5	-42.7	37.2	-34.4
Water Content (ppm)	ASTM D6304	45	47	45	45
Total Acid Number, mg KOH/g	ASTM D974	0.05	0.05	0.05	0.05
Aniline Point (°C)	ASTM D611	85	90.5	93.3	96.1
Dielectric Strength, (kV)	ASTM D877	29.1	35.5	41.9	41.8
Sealed Glass Tube Test R-12 Purity R-22 Formation	ANSI/ASHRAE 97	98.9	98.9	98.9	98.9
		1.1	1.1	1.1	1.1
Copper Strip Test	ASTM D130	1a	1a	1a	1a
Colour	ASTM D1500	1	1	1	1

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

CPI is a world leader in the synthetic lubricants industry with operations in North America, Europe, Africa and Asia Pacific regions. In addition to our Solest® lubricants, CPI offers lubricants for any refrigeration application including domestic and automotive air conditioning, commercial and industrial refrigeration and low Global Warming Potential (GWP) refrigerants such as Carbon Dioxide, Hydrocarbons and Ammonia. CPI also offers a comprehensive range of Industrial Lubricants for Process gas, Hydrocarbon gas, Air Compressors, Vacuum Pumps, Hydraulics, Gears, Chains, Turbine, Landfill Gas, Field Gas, Chemical Process and many NSF H1 & H2 Food Grade applications. CPI is ISO9001 and ISO14001 accredited and earned the 1993 Stratospheric Ozone Protection Award from the Environmental Protection Agency. Also registered for the manufacture of Halal, Kosher and Pareve products.