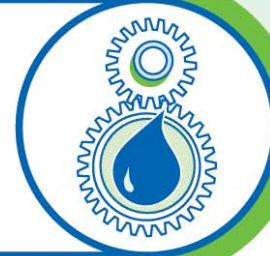




NEUTRONLUB

THE BEST HI-TECH FLUID & COMPOUNDS - USA



NEUTRON 922

Air Compressor & Turbines Lubricants

NEUTRON 922 is a line of premium performance ashless air compressor and turbines lubricants designed from synthetic base oil to meet the stringent requirements of the major compressor and turbines manufacturers. They are formulated with high quality synthetic oil base and a high performance additive system designed to provide exceptional equipment protection and reliability for compressors or turbines operating under mild to severe conditions. They provide excellent wear protection and the ability to reduce maintenance costs through minimising equipment problems and down stream deposits and carryover. Because of their high FZG Ratings, the **NEUTRON 922** Make outstanding lubricants for compressor and turbines systems using gears and bearings making them an excellent selection for crankcases as well as cylinder lubricants. **NEUTRON 922** Lubricants exceed the requirements of DIN 51506 VD-L standards and demonstrate a very high resistance to oxidation and deposit formation. They are recommended or approved by many of the leading compressor manufacturers all over the world.

NEUTRON 922 are recommended for single and multistage air compressors and turbines (steam turbines, gas turbines, hydro electric turbines). They are particularly effective for continuous high temperature operation with discharge temperatures up to 150° C. They are suitable for reciprocating and rotary type machines with the lower viscosity grades mainly used in rotary compressors. **NEUTRON 922** are recommended for units with a history of excess oil degradation, poor valve performance or deposit formation. They are compatible with all metals used in compressor construction and with semi synthetic base oil. **NEUTRON 922** are not intended or recommended for use in air compressors for breathing applications such as medical purpose.

The following types of compressors have shown excellent performance with the **NEUTRON 922** lubricants:

- Reciprocating air compressor crankcases and cylinders
- Rotary screw / vane compressors
- Axial and centrifugal compressors
- Compressor systems with critical gears and bearings Compressors used in stationary and mobile applications

Features and Benefits

The use of the NEUTRON 922 Series oils can result in cleaner compressors or turbines at lower deposits compared to conventional mineral oils, resulting in longer running periods between maintenance intervals. Their excellent oxidation and thermal stability safely allow extended life capability while controlling sludge and deposit formation. They possess outstanding anti-wear and corrosion protection, which enhances equipment life and performance.

NEUTRON FLUID & COMPOUNDS DIVISION

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Features	Advantages and Potential Benefits
Low Ash and Carbon Formation	Improved valve performance Reduced deposits in discharge lines Reduced potential for fires and explosions in discharge systems Improved compressor performance
Outstanding Oxidation and thermal Stability	Longer oil life Improved filter life Lower maintenance costs
High Load-carrying ability	Reduced wear of rings, cylinders, bearings and gears
Excellent Water Separability	Less carryover to downstream equipment Reduced sludge formation in crankcases and discharge lines Reduced blockage of coalescers Less potential for emulsion formation
Effective Rust and Corrosion Protection	Improved protection of valves and reduced wear of rings and cylinders

TECHNICAL INFORMATION

ASTM TEST			R E S U L T			
ISO VG			32	46	68	100
Viscosity						
	@ 40 °C	D-445	31	45	66	98
	@100 °C	D-445	5.18	6.56	11.8	14.5
Gravity, @ 15,4 °C		D-287	0.840	0.846	0.865	0.955
Flash Point, °C		D-92	225	223	212	214
Pour Point, °C		D-97	-25	-25	-28	-28
Viscosity Index		D-2270	129	127	122	120
Sulfated Ash, % Wt		D-482	0.01	0.01	0.01	0.01
Foaming Sequences			1.0	1.0	1.0	1.0
Color		D-1500	1.5	1.5	1.5	1.5

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