



## LA 226 HIGH PERFORMANCE COMPRESSOR OIL

### ASHLESS COMPRESSOR OILS

#### DESCRIPTION

LubeAlloy PARA-SYN™ Tenius Series are high-performance ashless compressor oils for severe service compressors designed with gear and bearing applications such as rotor and vane and highly recommended for reciprocating crankcase designs.

#### APPLICATION

LA 226 Tenius Series Compressor oils are effective across multiple compressor functions within industrial requirements for air displacement and power. Ideal for use in single and multistage rotary screw, vane, centrifugal, rotary lobe and reciprocating crankcase compressor designs. The Tenius Series cover a wide variety of mobile and stationary compressor applications where inventory, maintenance labour, machinery replacement parts, system cleaning and lubricant change require reduced cost and management.

#### FOAM CONTROL WITH WEAR PROTECTION

LA 226 Tenius Series contains anti-foam chemistry that provides a resilient oil film at low and high temperatures. Elasto-hydrodynamic lubrication (EHD-L) provided from the PARA-SYN™ oils resist oil film shear and rupture under heavy, sliding and rolling load. This characteristic retains separation between various metallurgical opposing surfaces to increase machinery life and productivity.

#### RUST, CORROSION, DEMULSIBILITY

LA 226 Tenius Series resist oil/water emulsions that lead to rust and corrosion. The zinc free/ ashless chemistry provides outstanding hydrophobic properties that prevent oxidation of ferrous & non-ferrous yellow metals, protecting against rust and corrosion.

#### EXTENDED OIL SERVICE-OXIDATION RESISTANT

The Tenius Series for compressor applications retains an inherent ability to run cooler. Where compressed gas is mechanically increased, heat is elevated in the gaseous form which affects metals to expand. LA 226 Tenius Series possess a molecule structure that is highly resistant to thermal degradation. This inherent thermal stability provides a cleaner, cooler and oxidation resistant oil. This desirable attribute provides extended oil drain periods and long term metal protection against metal expansion in contact points whilst alleviating compressed gas passing rings and seals.

#### REDUCED ENERGY CONSUMPTION

The LubeAlloy Tenius Series are proprietary PARA-SYN™ base oils that provide outstanding low traction coefficients. Low fluid friction provides lower operating temperatures, reduced internal friction and improved equipment efficiency which provides economic benefits in decreased power consumption and energy usage.

## FEATURES & OPERATIONAL BENEFITS

FEATURES	ADVANTAGES AND OPERATIONAL BENEFITS
Non-detergent/Ashless Formulation	Contains no harmful metallic compounds, No carbon soot build up on reciprocating compressors
Exceptional high temperature thermal stability and oxidation resistance	Increase equipment high temperature operating capability Eliminate insoluble and varnish deposits to enable efficient operation and long filter life
High Viscosity Index	Retains viscosity and film thickness at high temperatures Provides exceptional low temperature performance, lowering voltage draw at start-up
Reduced co-efficient static friction	Reduced friction and increase efficiency in sliding and rolling gear/bearing mechanisms. Measurable reduced power consumption and lower steady-state operating temperatures.
High load carrying efficiency	Protects metal surfaces under heavy and shock loads.
Balanced additive chemistry	Delivers exceptional performance in relation to rust and corrosion prevention, water separability, foam control and air release performance.
Yellow Metal Oxidation Resistant	Protects non-ferrous metal surfaces from corrosive elements where rotor, valve, ring and cylinder operate
Oil Purity	Maintains gas purity of compressed air and downline cooling
Cooler Oil Viscosity Film	Seals rotor gaps and clearances between male and female rotors to ensure air flow efficiency and pressure, Minimises expansion of rotor metals from compressed air
Anti-Oxidant Protection	Ensures lubricant life is protected from acid attack and viscosity increase
Demulsibility Capability	Reduces effect of water contamination to form sludge and other harmful debris
Broad spectrum use	Covers wide wear protection required for all major pump OEM specifications
Protects against rust and corrosion	Retains system cleanliness in both liquid and vapour phase

Oil drain periods of 4,000 - 6,000 hours are realised in well maintained systems. Drain intervals are subject to operating conditions and maintenance practices. Monitoring via the LubeAlert oil analysis program is recommended. Consult with a company technician for advice.

## SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

LA 226 TENIUS SERIES	32	46	68	100	150
Compressor					
DIN ISO 51506 VB-L, VC-L, VD-L	✓	✓	✓	✓	✓
ISO 6743-3 DAB/DAJ	✓	✓	✓	✓	✓
ISO/DP 6521 (DAA, DAB, DAH, DAG)	✓	✓	✓	✓	✓



## TYPICAL PROPERTIES

LA 226 TENIUS SERIES					
ISO Viscosity Grade	32	46	68	100	150
Viscosity, ASTM D445, cSt, @ 40°C	32	46	68	100	150
Viscosity, ASTM D445, cSt @ 100°C	6.0	7.99	10.5	13.9	18.1
Viscosity Index, ASTM D2270	133	143	143	143	140
Density, @ 15°C	0.843	0.860	0.860	0.864	0.847
Appearance, Visual	Clear	Clear	Clear	Clear	Clear
Pour Point, °C, ASTM D5950	-48	-45	-42	-42	-39
Flash Point, °C, ASTM D92	239	239	244	249	243
Copper Corrosion, ASTM D130	1a	1a	1a	1a	1a
Foam, Sequence I,II,III Stability, ml, ASTM D892	0/0/0	0/0/0	0/0/0	0/0/0	0/0/10
FZG Gear Scuff Test, A/8.3/90, ISO 14635-1	11	11	11	11	11
Rust protection, ASTM D665B, NaCl Water	Pass	Pass	Pass	Pass	Pass

**Health and Safety:** This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Material Safety Data Sheet (MSDS).