

Gazpromneft Compressor PAG WG - 100, 150

Premium Synthetic Compressor Oils



Positive/dynamic displacement compressors



Oxidation stability



Wear protection



Rust and corrosion protection



Resistance to hydrocarbon dilution



Polyalkylene glycols (PAG)

Gazpromneft Compressor PAG WG series are premium quality synthetic lubricants developed for use in centrifugal and oil-flooded rotary screw and reciprocating compressors processing natural gas, carbon dioxide, propane, and other hydrocarbon gases. They are specially formulated to resist hydrocarbon dilution and oil absorption in this type of service. Gazpromneft Compressor PAG WG are formulated with synthetic polyalkylene glycol (PAG) base oils and carefully selected additives to provide long service life, excellent wear protection, resistance to washout and lubricant carryover, and protection against rust and corrosion.

Applications

- Oil-flooded rotary screw compressors processing natural gas, carbon dioxide, or other hydrocarbon gases
- Crankcase lubrication of enclosed reciprocating compressors operating on hydrocarbon gases (methane, ethane, propane, butane, ethylene, propylene, butadiene), ammonia, vinylchloride and dry inert gases
- PAG based lubricants have limitations regarding compatibility with seal and coating materials, some varieties of light metal alloys and other lubricants. Before applying please contact the OEM for specific advice on the application
- Gazpromneft Compressor PAG WG is not compatible with mineral oils and most other synthetic lubricants. Additionally they may not be compatible with other PAG type lubricants. To avoid mixtures a complete flush, drain, and refill should be performed before switching
- PAG based lubricants will easily mix with water in any ratio; therefore, contact with humid air should be avoided. Water does not drop to the bottom of reservoirs and stays on top of the lubricant due to high specific gravity of PAG

Features	Advantages and Potential Benefits
High performance synthetic base oils	Wide temperature range capability, significant performance improvements relative to conventional mineral oils for extended service life
Low solubility of hydrocarbons	Resistance to gas dilution and oil absorption helps maintain proper viscosity and oil film thickness to protect against wear
Excellent oxidation resistance and thermal stability at high temperatures	Increased production because of extended lubricant life, reducing scheduled and unscheduled downtime for routine lubricant changes
High viscosity index, low pour points and absence of paraffin	Easy start-up because due to excellent low-temperature properties for trouble-free operation of remotely located equipment
Low ash content	Reduced deposits in discharge lines for long machinery life and maximum compressor efficiency
Rust and corrosion protection	Improved protection of internal compressor components helps to reduce frequency of expensive overhauls
Enhanced wear protection	Less wear resulting in less unexpected downtime

Typical Characteristics

Properties	Method	Gazpromneft Compressor PAG WG - 100	Gazpromneft Compressor PAG WG - 150
ISO Viscosity Grade		100	150
Kinematic Viscosity @40°C, mm ² /s	ASTM D445	102.5	150.6
Kinematic Viscosity @100°C, mm ² /s	ASTM D445	20.4	29.3
Viscosity Index	ASTM D2270	225	236
Flash Point (COC), °C	ASTM D92	241	247
Pour Point, °C	ASTM D97	-51	-45
Density @15°C, kg/m ³	ASTM D4052	1046	1052

Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.