Gazpromneft Compressor S Synth

High-Efficiency Compressor Oils

DESCRIPTION

The range of semi-synthetic ashless compressor oils featuring excellent performance characteristics meets the requirements of major OEMs.
Compressor long life, efficiency and safe operation largely depend on the oil used. Compressor oils must meet the following technical requirements: high thermal and oxidation stabilities; absent or minimal sludge formation in discharge lines; stable viscosity throughout the service life of oil.
Gazpromneft Compressor S Synth oils comply, and in many cases exceed the requirements of compressor OEMs.

APPLICATIONS

Modern mobile and stationary air compressors running at up to 220°C operating temperature.
Gazpromneft Compressor S Synth - **100, 150** are recommended for use in piston compressors; **Gazpromneft Compressor S Synth - 46, 68** are intended for lubricating foreign and domestic rotary (screw and vane) compressors operated at chemical, construction, food and machine engineering plants and other industrial applications.

BENEFITS

- **Thermal and oxidation stabilities**
  The oils do not dissolve or promote sludge on discharge valves and lines at high temperatures; increase reliability, keep the system clean and reduce downtime. The chemical composition stability is guaranteed throughout the service life of oil.

- **Lubricating ability**
  Optimum viscosity promotes stable oil film formation, reduces friction loss, minimizes compressor starting time and wear, and increases compressor capacity.
  The oils seal the space between piston rings and cylinder liner, as well as in piston ring grooves, to prevent combustion pressure (engine power) from escaping.
  Optimum lubrication prevents oil decomposition that usually causes volatility components vapor away from compressor with air and the rest oxidize and form sludge on pistons and piston rings resulting in their sticking.

- **High demulsifying and antifoaming abilities**
  Promote rapid water separation and breakdown of foam, so prevents lubricating and cooling capacity reduction.

- **Filterability**
  Oxidation resistance and chemical stability of additives help avoid filter plugging, allow for superior filterability of the oils, and extend filter life.

- **Wear and corrosion protection**
  High-efficiency additive system enhances wear resistance in friction pairs, reduces downtime and prolongs the system life. The oils protect all metal compounds from corrosion and extend their service life.

SPECIFICATIONS

Gazpromneft Compressor S Synth engine oils comply with:

DIN 51506 VDL

TYPICAL PROPERTIES

Gazpromneft Compressor S Synth				
ISO Grade	**46**	**68**	**100**	**150**
Viscosity, cSt @ 40^{0}C	46	68	100	150
cSt @ 100^{0}C	6.9	9.5	11.5	14.7
Viscosity Index	111	111	108	102
Flammability, ^{0}C	374	376	382	388
Flash Point, COC, ^{0}C	225	231	234	242
Pour Point, ^{0}C	-43	-39	-35	-29
Acid Number, mg KOH/g	0.11	0.11	0.2	0.2
Density @ 20^{0}C, kg/m^3	861	867	870	874

HEALTH AND SAFETY

When used as directed, Gazpromneft Compressor S Synth oils have no adverse effects either on health or environment. Beyond normal hygiene no special precautions are required. The oils refer to Hazard Class 4, and to Hazard Class 3 as oil mist (GOST 12.1.007). Avoid contact with skin. Wear protective gloves. In case of contact, flush immediately with water and soap.

Use the product according to its intended purpose. Hydraulic (industrial) oils are flammable liquids with flash point not less than 200°C (GOST 12.1.044). Observe all of laws, rules, regulations and agreements relevant to the environment. Place used product in an appropriate waste disposal container. Dispose via a licensed waste disposal contractor. Do not discharge waste lubricant into groundwater, watercourses, soil, sewerage or drainage systems.

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Gazpromneft-Lubricants' Standard #84035624-033-2010.
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