

## Gazpromneft Compressor F Synth – 46 and 68

High Performance Ashless Compressor Oils



Positive/dynamic displacement compressors



Oxidation stability



Antiwear properties



Excellent demulsibility



Antifoam properties



Synthetic

**Gazpromneft Compressor F Synth** oils are high performance ashless compressor oils primarily designed for lubrication of rotary screw and vane air compressors working in heavy duty conditions at variable working temperatures. Made of high quality selected base oils with advanced additive system they are characterized by exceptional resistance to oxidation and thermal degradation superior to conventional mineral oil-based air compressor oils. Gazpromneft Compressor F Synth oils provide the ability to reduce maintenance costs through minimizing equipment problems and downstream deposits and carryover. Gazpromneft Compressor F Synth oils meet the specification of DIN 51506 VDL.

### Applications

- Oil systems of modern air compressors, where oils meeting DIN 51506 VDL are required. Suitable for energy, iron and steel, oil and gas, chemical, building and construction, engineering industries
- Dry/wet rotary screw and vane compressors
- Centrifugal compressors (Gazpromneft Compressor F Synth-46)
- Stationary compressors and mobile compressors operating at maximum discharge temperatures up to 220°C (according to DIN 51506 VDL)

| Features                                  | Advantages and Potential Benefits   |
|---|---|
| High performance base oils                | Wide temperature range capability, significant performance improvements relative to conventional mineral oils for extended service life |
| Low ash and carbon formation              | Reduced deposits in discharge lines for improved valve and compressor performance   |
| Excellent oxidation and thermal stability | Longer oil life for lower maintenance costs   |
| Excellent demulsibility                   | Rapid separation from water for reliable operation and reduced downtime   |
| Enhanced wear protection                  | Less wear resulting in less unexpected downtime   |
| Rust and corrosion protection             | Improved protection of valves and reduced wear of rings and cylinders   |

### Approvals

- Rotorcomp Verdichter GmbH

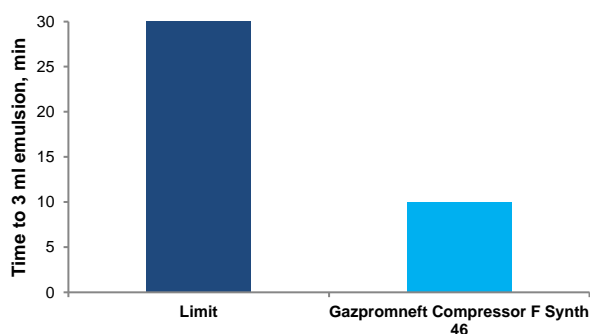
### Meets the requirements

- DIN 51506 VDL
- ISO 6743 DAJ

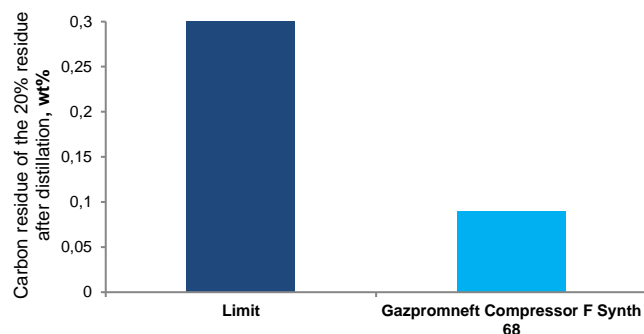
## Typical Characteristics

| Properties                        | Method     | Gazpromneft Compressor F Synth - 46 | Gazpromneft Compressor F Synth - 68 |
|-----------------------------------|------------|-------------------------------------|-------------------------------------|
| ISO Viscosity Grade               |            | 46                                  | 68                                  |
| Kinematic Viscosity @40°C, mm²/s  | ASTM D445  | 46,0                                | 68,0                                |
| Kinematic Viscosity @100°C, mm²/s | ASTM D445  | 7,5                                 | 10,4                                |
| Viscosity Index                   | ASTM D2270 | 132                                 | 146                                 |
| Flash Point (COC), °C             | ASTM D92   | 260                                 | 246                                 |
| Pour Point, °C                    | ASTM D97   | -43                                 | -40                                 |
| Density @20°C, kg/m³              | ASTM D4052 | 855                                 | 865                                 |
| Total Acid Number, mg KOH/g       | ASTM D664  | 0,4                                 | 0,4                                 |

**Excellent demulsibility\***



**Low carbon formation\*\***



\*ASTM D 1401; \*\*DIN 51356

## 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.