

## Gazpromneft Romil

Industrial Bearing & Circulating Oils



Rolling Mills



Excellent load-carrying capability



Excellent demulsibility



Protection against rust and corrosion



High quality mineral base oils

**Gazpromneft Romil** are high quality circulating oils intended for plain bearings in full fluid lubrication systems, particularly affected by heavy water contamination and may be used for back-up roll bearings in metal rolling mills. Gazpromneft Romil are formulated from high quality base stocks and selected additive package to provide outstanding water separation ability, good resistance to thermal degradation and oxidation, and protection against rust and corrosion. Gazpromneft Romil meets the specification requirements of Morgoil and Danieli.

### Applications

- Back-up roll bearings of rolling mills
- Other full fluid bearing systems and similar type applications in other industries, particularly where the bearings are subjected to heavy water contamination
- Machine circulation systems
- Enclosed low or moderately loaded industrial gear systems where EP performance is not required

Features	Advantages and Potential Benefits
Excellent demulsibility and dispersancy	Rapid separation from water and contaminants for reliable operation and reduced downtime
Excellent rust and corrosion protection	Increased equipment protection and equipment life
Good shear stability	High viscosity index which ensures minimum variation of film thickness with temperature and minimum power loss during the warm up period
Protection from oxidative degradation	Cleaner system and filters for lower maintenance costs
High resistance to foaming and excellent air release	Help to avoid cavitation, noisy and erratic operation
Hydrolytic stability	Unique zinc-free anti-wear additive system provides excellent protection even in the presence of water

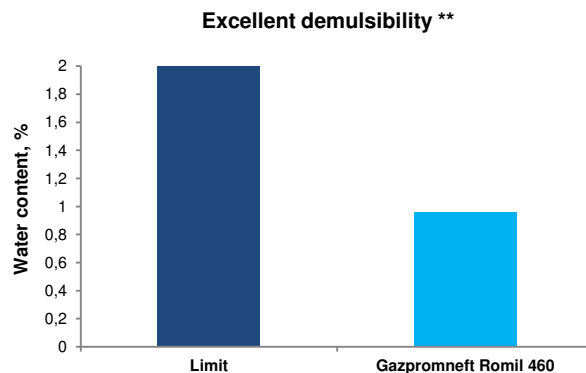
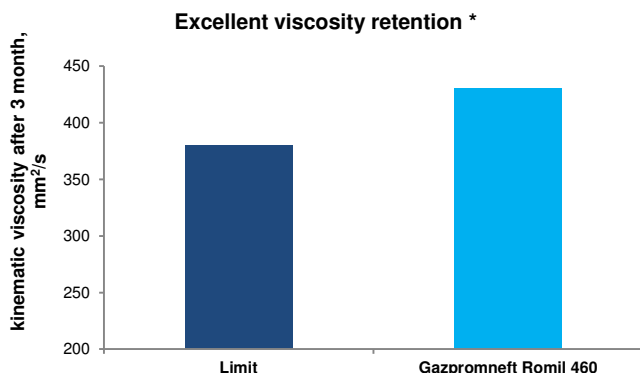
### Meet the requirements\*:

- Danieli 0.000.001 rev.15
- Morgoil - Advanced Lubricant (SN 180-4:2009-01)
- Morgoil - Standard Lubricant (SN 180-3:2009-01)

\* - except Gazpromneft Romil – 46

## Typical Characteristics

Properties	Method	Gazpromneft Romil					
		46	100	150	220	320	460
ISO Viscosity Grade		46	100	150	220	320	460
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	46	100	150	220	320	460
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	ASTM D445	6,7	11,0	14,4	18,5	23,3	29,1
Viscosity Index	ASTM D2270	95	94(95*)	93(95*)	93(95*)	91(95*)	90(95*)
Flash Point (COC), °C	ASTM D92	238	246	250	256	273	288
Pour Point, °C	ASTM D97	-14	-13	-12	-12	-11	-10
Density @20°C, kg/m <sup>3</sup>	ASTM D4052	876	883	888	893	894	899
Copper Strip Corrosion, 3 hrs @ 100°C	ASTM D130	1B	1B	1B	1B	1B	1B
Water separation, minutes, max	ASTM D1401	10	15	15	20	20	25



\*ASTM D445; \*\* ASTM D95

## 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.