

# FLENDER GEAR UNITS

## Approval of Gear Oil

No. AGPA36-20180822

**Valid until: 6 April 2023**

under the prerequisite that by Flender no negative distinctive features of the oil were stated in the field.

For the gear oil

**Gazpromneft Reductor F-Synth**

with the base oil

nominal viscosity ISO VG:

**150 -- 220 -- 320 -- 460**

for sale by the company

**Gazpromneft Lubricants Ltd.**

the compliance with the CLP quality in accordance with DIN 51517-3 is guaranteed by the selling company.

The selling company has had performed the following tests according to the

### **Specification of oil approvals for FLENDER gear units**

**(Rev. 16 for Helical-, Bevel-, Worm-, Planetary- and Marine gear units)**

with the mentioned oil. The test results were presented to Flender.

- FZG scuffing test (A/8.3/90) in accordance with DIN ISO 14635-1
- FE-8-rolling bearing test (D-7,5/80-80) in acc. with DIN 51819-3
- Filterability test in accordance with test description FFT 7300
- Compatibility with interior and outer paintings used with Flender gear units
- Compatibility with liquid sealing compound
- Compatibility with elastomer seal material - static test & dynamic test -
- Flender oil foaming test according to test description GG-V 425 and ISO 12152
- Micropitting test in accordance with FVA 54 VII

According to the presented test results, the conditions demanded by Flender were satisfied.

We recommend the using of the above mentioned oil for our following gear units:

### **Helical-, Bevel- and Planetary gear units**

Bocholt, 22-08-2018



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