



## Gravis SP Series

### High Performance Synthetic Gear Lubricant

#### Description

Petrol Ofisi Gravis SP series are high performance synthetic gear lubricants. They protect gear systems and extend equipment life even under extremely severe service conditions.

#### Application

It is recommended particularly for roll bearings operating under elevated temperatures, spur, helical and bevel gears, as well as enclosed gear-boxes containing any type of gear.

#### Benefits

- They provide a service life of 20.000 hours or four years under average oil temperature of 80°C.
- Prevents gear surface scuffing, micropitting and gear tooth breaking.
- Extends service life for bearings on gears and in gearboxes.
- Reduces energy consumption and start up corrosion by lowering temperature.
- Ability to operate at both high and low temperatures in a wide range.
- Excellent oxidation resistance due to their synthetic structure.
- Reduces maintenance costs and increases operation efficiency.
- Superb protection against rust and corrosion even under extreme conditions.
- Usable for any type of gear system due to their wide viscosity range index.

#### Performance

Approved by FLENDER AG and REMAS.

AGMA 9005-D94 (EP), DIN 51517 Part III, US Steel 224,

David Brown S1.53.101 Type E, SEB 181.226I , Cincinnati Machine P-74



#### Typical Specifications\*

| ISO VG                                                 |             | 68            | 100             | 150            | 220            | 320            | 460            | 680            |
|--------------------------------------------------------|-------------|---------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| Density, @ 15°C g/ml                                   | ASTM 4052   | 0,850         | 0,853           | 0,858          | 0,859          | 0,862          | 0,862          | 0,864          |
| Flash Point, COC, °C                                   | ASTM D 92   | 242           | 240             | 244            | 250            | 250            | 258            | 264            |
| Kinematic Viscosity<br>at 40°C mm²/s<br>at 100°C mm²/s | ASTM D 445  | 70,24<br>10,9 | 104,74<br>14,74 | 158,0<br>20,09 | 228,3<br>26,39 | 333,4<br>35,57 | 472,4<br>47,48 | 686,0<br>64,57 |
| Viscosity Index                                        | ASTM D 2270 | 145           | 146             | 147            | 148            | 152            | 159            | 165            |
| Pour Point, °C                                         | ASTM D 97   | -24           | -24             | -24            | -18            | -15            | -12            | -12            |

\* Values are changeable according to production.

#### Packing

|         |         |
|---------|---------|
| Plastic | 17,5 kg |
| Drum    | 175 kg  |

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