Gear Oil

# MAKER SUPER TAURO SYNTH

## Description

High performance lubricant fluids. Formulated with specially selected synthetic bases (PAO, esters) and latest generation additives, specially suitable for applications under very severe working conditions: high loads, low speeds and high/low temperatures.
They are specially suitable for industrial bearings and gears subject to very severe working conditions (high loads and low speeds) and within a wide range of temperatures. These include systems based on the forced circulation of oil, oil bath or splash lubrication. They are specially suitable for working at high temperatures, as their excellent resistance to oxidation allows extension of time between replacements, saving oil change, equipment cleaning and shutdown costs.

## Properties

- Exceptional resistance to oxidation at high temperatures.
- Very low pour point, allowing operation at low temperatures.
- Very high viscosity index, allowing lubrication within a wide range of temperatures.
- Lower friction coefficient than conventional oils, thereby reducing power consumption.
- Compatible with conventional elastomers, joints and paints.
- Miscible with mineral oils.
- Excellent water separation and anti foam properties.
- Very good anti rust and anti corrosion protection.
- Optimum EP properties.

## Quality levels, approvals and recommendations

- DIN 51517/3 - CLP
- AGMA 9005-F16 (old 9005-E02-EP)
- ISO 6743/6 CKT
- AIST 224 (US Steel 224)
- REINTJES BV1597/2, BV1917/2 (100)*
- FIVES CINCINNATI P-76 (100)
- ZANINI RENK 00-90263/4n*
- REINTJES BV1597/4, BV1917/4 (150)*
- THYSSENKRUPP 41,42,43 y 44 (Gears CLP PAO) (150, 220, 320, 460)*
- DAVID BROWN SANTASALO MDI-170-H (150, 220, 320, 460)
- FIVES CINCINNATI P-77 (150)
- FLENDER Rev. 16.1 (150, 220, 320, 460)*
- DANIELI STANDARD N. 0.000.001 - REV.15 (150, 220, 320, 460)*
- FIVES CINCINNATI P-74 (220)
- WEG-CESTARI WCG20 (220)*
- WEG-CESTARI WCG50 (320)*
- FIVES CINCINNATI P-59 (320)
- FIVES CINCINNATI P-35 (460)

*Formal approval

repsol lubricants

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## Technical specifications

| | UNIT | METHOD | VALUE | | | | |
|---|---|---|---|---|---|---|---|
| ISO Viscosity Grade | | | 100 | 150 | 220 | 320 | 460 |
| Kinematic viscosity at 40 ºC | cSt | ASTM D445 | 100 | 150 | 220 | 320 | 460 |
| Kinematic viscosity at 100 ºC | cSt | ASTM D445 | 14.5 | 19.4 | 25,7 | 34,9 | 47.2 |
| Viscosity index | - | ASTM D2270 | 148 | 148 | 148 | 154 | 161 |
| Flash point, open cup | ºC | ASTM D92 | 205 | 272 | 250 | 256 | 252 |
| Pour point | ºC | ASTM D97 | -54 | -51 | -42 | -42 | -39 |
| FZG (A/8,3/90): Failure load stage | - | ISO 14635 | ›12 | ›12 | ›12 | ›12 | ›12 |
| Rust, method A | - | ASTM D665 | Pass | Pass | Pass | Pass | Pass |
| Timkem load | lb | ASTM D2782 | 70 | 70 | 70 | 70 | 70 |
| Water separability, Free water | cm3 | ASTM D2711 | ‹37 | ‹37 | ‹37 | ‹37 | ‹37 |

The above mentioned characteristics are typical values and should not be considered product specifications.