

SUPER TAURO



INDUSTRY

Lubricants

Description

The Super Tauro range of oils has been developed for applications in industrial gear assemblies with high load requirements. Its careful formulation incorporates the highest quality bases and additives, improving its anti-rust properties, its anti-foaming capacity and its resistance to oxidation. As such, these oils offer an excellent performance that puts them ahead of their competition.

They are particularly suitable for all kinds of industrial reducers and multipliers, using splash or circulating lubrication.

Very effective in all cases requiring maximum levels of oxidation resistance and/or load capacity.

Properties

- Reduce wear under boundary lubrication conditions and extreme pressure.
- Excellent thermal stability
- Very good protection against rust, preventing steel corrosion.
- High de-emulsifying capacity (quick separation from water)
- Good antifoaming characteristics.
- Resistance to the rupture of the lubricant film.

Quality levels, approvals and recommendations

- DIN 51517 Part 3 CLP
- AIST 224 (US Steel 224)
- ISO-L-CKD
- AGMA 9005-F16 (Former 9005-E02-EP)
- ISO 12925-1 CKD
- Fives Cincinnati: P-34 (ISO 680), P-35 (ISO 460), P-59 (ISO 320), P-63 (ISO 68), P-74 (ISO 220), P-76 (ISO 100), P-77 (ISO 150), P-78 (ISO 1000)
- David Brown S1.53.101
- IBERCISA (ISO 220 & 320)*
- Reintjes: BV1597/2 (ISO 100), BV2060/2 (ISO 100), BV1597/4 (ISO 150), BV2060/4 (ISO 150)*

*Formal approval

A safety data sheet is available on request.

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Technical data sheet for Lubricants. Revision 11. July 2020.

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Technical specifications

| | UNIT | METHOD | VALUE | | | | | | | |
|--------------------------------|-----------------|-------------|-----------|------------|------------|------------|------------|------------|------------|-------------|
| ISO Grade | | | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 |
| Viscosity at 100 °C | cSt | ASTM D 445 | 8.5 | 11 | 14.5 | 19 | 23 | 30 | 40 | 50 |
| Viscosity at 40 °C | cSt | ASTM D 445 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | 1000 |
| Viscosity index | | ASTM D 2270 | 98 | 97 | 97 | 95 | 93 | 92 | 95 | 95 |
| Flash point | °C | ASTM D 92 | 230 | 245 | 260 | 260 | 260 | 260 | 260 | 260 |
| Pour point | °C | ASTM D 97 | -12 | -12 | -9 | -9 | -9 | -9 | -9 | -6 |
| Water separability | | | | | | | | | | |
| - Free water | cm ³ | ASTM D 2711 | 37 min. | 37 min. | 37 min. | 37 min. | 37 min. | 37 min. | 37 min. | 37 min. |
| - Emulsion | cm ³ | | 1 max. | 1 max. | 1 max. | 1 max. | 1 max. | 1 max. | 1 max. | 1 max. |
| Copper corrosion 3 h at 100 °C | | ASTM D 130 | 1b | 1b | 1b | 1b | 1b | 1b | 1b | 1b |
| Resistance to rust, A and B. | | ASTM D 665 | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass |
| TAN (mg KOH/g) | | ASTM D 664 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Water separability | min | ASTM D 1401 | <30 | <30 | <30 | <30 | <30 | <30 | <60 | <60 |
| FZG, Step 12 | | DIN 51354 | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass |
| Timkem load | lbs | ASTM D 2782 | 60 min. | 60 min. | 60 min. | 60 min. | 60 min. | 60 min. | 60 min. | 60 min. |

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

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