



## GOLD SYN FLUID HSO 405, 406 & 407

**GOLD HSO** series oils are high performance fully synthetic based. The products are readily biodegradable. A high-performance, carefully selected additive package provides excellent anti-wear as well as good thermal stability and corrosion protection. Inherently strong oxidation resistance helps to prevent gumming and deposit formation even at high temperatures. Because of the high natural VI of the base fluid and low pour point, the viscosity-temperature behaviour allows for a very wide operating temperature range.

### PROPERTIES

- ✓ Good oxidation stability and ageing resistance
- ✓ High viscosity index and low pour point
- ✓ Excellent anti-wear properties
- ✓ Rapid air release and low foaming
- ✓ Excellent corrosion protection for steel and non ferrous metals
- ✓ Optimum demulsification characteristics
- ✓ Good compatibility with sealing materials

|   |                                    | <b>GOLD SYN FLUID HSO SERIES</b> |                |                |                |
|---|------------------------------------|----------------------------------|----------------|----------------|----------------|
| <i>Test Properties</i>                          |                                    | <i>Test Method</i>               | <i>405</i>     | <i>406</i>     | <i>407</i>     |
| <b>ISO</b>                                      |                                    |                                  | <b>32</b>      | <b>46</b>      | <b>68</b>      |
| <b>Typical Properties &amp; Characteristics</b> | Appearance                         | Visual                           | Bright & Clear | Bright & Clear | Bright & Clear |
|   | Colour                             | ASTM D 1500                      | 0.5 Max        | 0.5 Max        | 0.5 Max        |
|   | Density @ 29.5, °C, g/ml           | ASTM D 1298                      | 0.82 Typ.      | 0.82 Typ.      | 0.82 Typ.      |
|   | Viscosity, Kinematic 40 at°C, cSt  | ASTM D 445                       | 30 – 34        | 43 - 49        | 65 - 70        |
|   | Viscosity, Kinematic 100 at°C, cSt | ASTM D 445                       | 6.0 Min        | 7.5 Min        | 10 Min         |
|   | Viscosity Index                    | ASTM D 2270                      | 140 Min        | 140 Min        | 140 Min        |
|   | Pour Point, °C                     | ASTM D 97                        | -45 Max        | -45 Max        | -45 Max        |
|   | Flash Point, COC, °C               | ASTM D 92                        | 230 Min        | 240 Min        | 250 Min        |
| TAN, mg KOH/g                                   | ASTM D 664                         | 0.05 Min                         | 0.05 Min       | 0.05 Min       |                |

**Packaging Options:** GOLD SYN FLUID HSO series is offered in 26, 50 & 210 Liter.

**Health & Safety:** See corresponding product MSDS

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