



## MOTUL SHOCK OIL FACTORY LINE

### High Performance Hydraulic Fluid for Shock Absorbers Technosynthese® – Ester

#### TYPE OF USE

SHOCK OIL Factory Line is a shock absorber oil with a very high viscosity index (VI), developed through intensive racing-focused R&D and testing.

Engineered to deliver consistent damping performance under extreme thermal and mechanical stress, it ensures precise, fade-resistant suspension response throughout demanding race conditions.

#### PERFORMANCES

Technosynthese® Technology with Esters and an exceptionally high Viscosity Index (VI 400) ensures outstanding shock absorption performance for racing vehicles.

Its multigrade effect delivers consistent damping and smooth response across a wide temperature range. Advanced anti-oxidation properties enhance high-temperature resistance and extend service life. The formulation includes a specialized anti-friction additive for ultra-smooth movement, along with robust anti-corrosion, anti-wear, and extreme-pressure protection while maintaining seal integrity. A fast-acting anti-foam additive maximizes damping efficiency under all conditions.

#### RECOMMENDATIONS

For optimal performance, the shock absorber must be tuned according to the intended application.  
Always use the exact quantity of oil specified by the shock manufacturer.

#### PROPERTIES

|                            |            |                     |
|----------------------------|------------|---------------------|
| Color                      | Visual     | Orange              |
| Density at 20°C (68°F)     | ASTM D1298 | 0.836               |
| Viscosity at 40°C (104°F)  | ASTM D445  | 16.9 mm²/s          |
| Viscosity at 100°C (212°F) | ASTM D445  | 6.4 mm²/s           |
| Viscosity Index            | ASTM D2270 | 400.0               |
| Pour point                 | ASTM D445  | -51.0 °C / -60.0 °F |

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.

MOTUL - 119 Bd Félix Faure - 93303 - Aubervilliers Cedex - BP 94 - FRANCE - Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - [www.motul.com](http://www.motul.com)

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## MOTUL SHOCK OIL FACTORY LINE

**High Performance Hydraulic Fluid for Shock Absorbers**  
**Technosynthese® – Ester**

Flash point

ASTM D92

128.0 °C / 262.0 °F

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