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DATA SHEET

# Shock Therapy® Suspension Fluid

Fade-Free Damping and Smooth Rebounds  
in High-Performance Applications

Properly functioning suspension improves vehicle control when racing or maneuvering over and around obstacles on the trail. For maximum performance, riders require consistent suspension feedback over a broad temperature range. Aggressive riding and driving, however, can heat suspension fluid enough to reduce its viscosity, resulting in soft, inconsistent and unpredictable shock absorption and reduced control. AMSOIL Shock Therapy Suspension Fluid resists viscosity loss at extreme temperatures to help maintain consistent, smooth suspension feel and maximum control no matter how hard you ride.

## Controlled Damping and Rebound

The high-quality synthetic base oils in AMSOIL Shock Therapy Suspension Fluid have inherently high viscosity indices that effectively maintain viscosity at extreme temperatures. It is specifically formulated to resist viscosity loss, aeration and foam for consistent, predictable and reliable performance in vehicles being pushed to the limit.

## Reduces Friction and Wear

The constant friction within a shock body decreases suspension performance. AMSOIL Shock Therapy Suspension Fluid contains friction modifiers to reduce the energy loss caused by friction and anti-wear agents to protect shocks and forks from premature wear. It also conditions seals to help reduce leaks and extend service life.



- **High viscosity index** helps prevent fade
- **Consistent, smooth** damping and rebound
- **Conditions seals** for extended service life
- **Race-grade** technology

TYPICAL TECHNICAL PROPERTIES
Shock Therapy® Suspension Fluid

|                                                                               | #5 Light (STL)   | #10 Medium (STM) |
|-------------------------------------------------------------------------------|------------------|------------------|
| Viscosity @ 100°C, cSt (ASTM D445)                                            | 4.4              | 7.3              |
| Viscosity @ 40°C, cSt (ASTM D445)                                             | 15.9             | 31.8             |
| Viscosity Index (ASTM D2270)                                                  | 209              | 206              |
| Flash Point, °C (°F) (ASTM D92)                                               | 174 (345)        | 192 (378)        |
| Fire Point, °C (°F) (ASTM D92)                                                | 192 (378)        | 208 (406)        |
| Pour Point, °C (°F) (ASTM D97)                                                | -53 (-63)        | -48 (-54)        |
| Four-Ball Wear @ 40 kgf, 75°C, 1200 rpm, 1 hr, scar diameter, mm (ASTM D4172) | 0.44             | 0.42             |
| Foam, ml (ASTM D892) Sequence I, II, III                                      | 50/0, 40/0, 50/0 | 60/0, 50/0, 60/0 |

APPLICATIONS

Use AMSOIL Shock Therapy Suspension Fluid in applications requiring any of the following specifications:

- Afnor\* E 48-603
- BF Goodrich\* 0152 (except PM 500 Series)
- Denison\* HF-0, HF-1, HF-2
- DIN 51524 Part 2
- Ford\* M6C-32
- Lee Norse\* 100-1
- Racine\* Variable Vane Pump

RECOMMENDATIONS

Use AMSOIL Shock Therapy Suspension Fluid in forks and shocks on snowmobiles, dirt bikes, motorcycles, ATVs, UTVs, cars, trucks and other racing and recreational-use vehicles, especially those operating in extreme conditions. Agitate the fluid before use. Light #5 is recommended for winter use.

Use AMSOIL Shock Therapy Suspension Fluid Light #5 in suspension systems where less damping and quicker rebounds are desired, including those made by Bilstein,\* Custom Axis,\* Kayaba,\* Penske,\* Race Tech,\* Ryde FX,\* Showa\* and WP.\*

Use AMSOIL Shock Therapy Suspension Fluid Medium #10 in suspension systems where more damping control and slower rebounds are desired, including those made by Fox,\* Koni,\* Öhlins,\* Race Tech and WP; and Harley-Davidson\* forks that recommend type "E" or "B" fork oil.

To cross-reference against your current product visit AMSOIL.com/shockfluidcrossreference.

PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit AMSOIL.com/warranty.aspx.

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS) available at AMSOIL.com or upon request at 715-392-7101. Keep Out Of Reach Of Children. Recycle used oil and bottle.

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