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DATA BULLETIN

AMSOIL
The First in Synthetics®

Shock Therapy® Suspension Fluid

Formulated for Fade-Free Dampening and Smooth Rebounds in High-Performance Applications



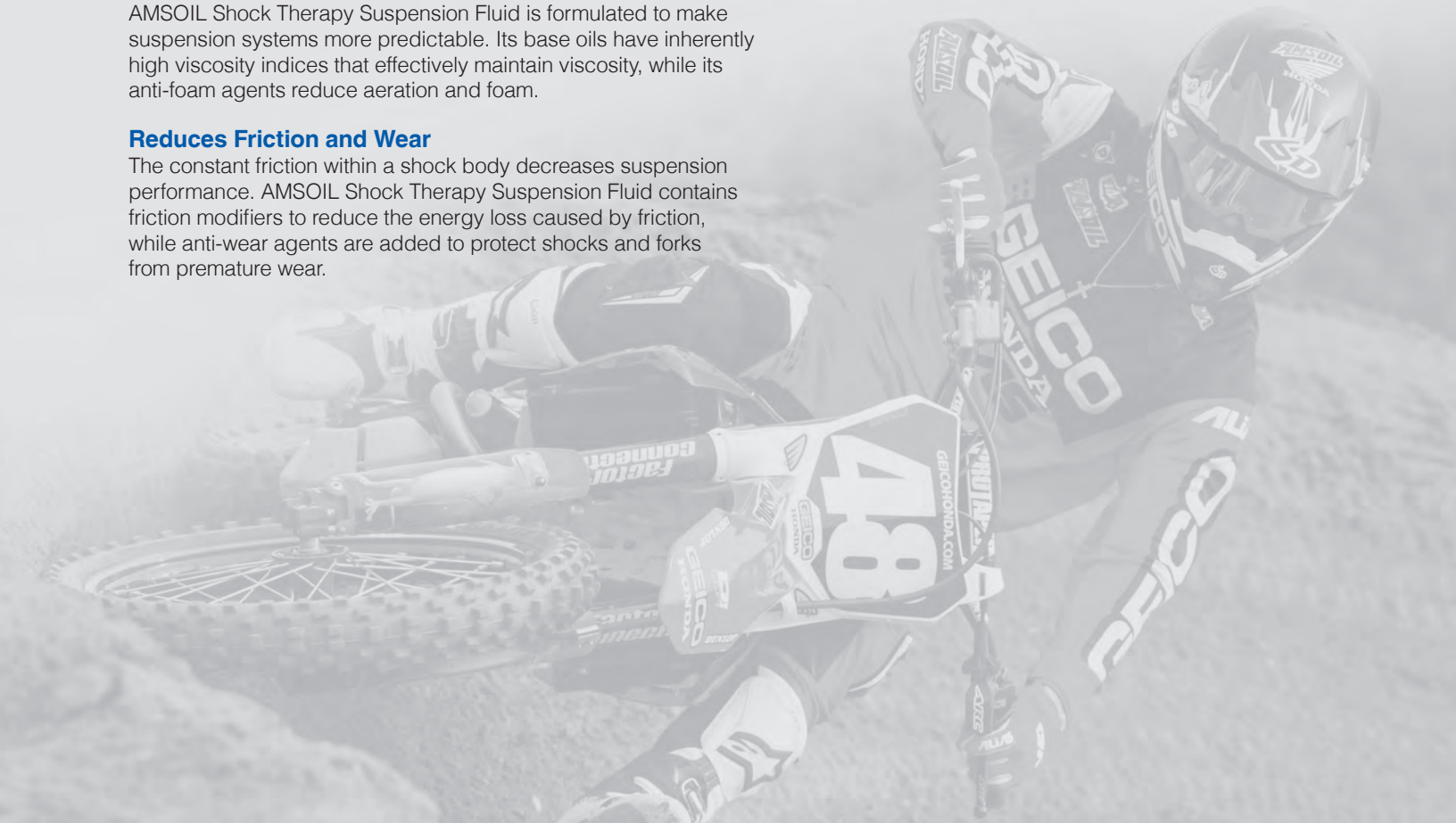
A properly functioning suspension is vital to performance during a race or maneuvering around obstacles on the trail. For greatest effectiveness, riders need consistent suspension feel over a broad temperature range. Aggressive riding, however, can heat suspension fluid enough to cause viscosity loss, resulting in soft, inconsistent feel. AMSOIL Shock Therapy Suspension Fluid resists viscosity loss over a broad temperature range for consistent, effective suspension feel. It reduces foaming, aeration and wear, while conditioning seals for maximum life.

Controlled Dampening and Rebound

AMSOIL Shock Therapy Suspension Fluid is formulated to make suspension systems more predictable. Its base oils have inherently high viscosity indices that effectively maintain viscosity, while its anti-foam agents reduce aeration and foam.

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, while anti-wear agents are added to protect shocks and forks from premature wear.



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Order by Phone 1-800-956-5695 - Give Operator Reference #5983322

TYPICAL TECHNICAL PROPERTIES

Shock Therapy® Suspension Fluid

	#5 Light (STL)	**#10 Medium** (STM)
Viscosity @ 100ºC, cSt (ASTM D445)	4.4	7.3
Viscosity @ 40ºC, cSt (ASTM D445)	15.9	31.8
Viscosity Index (ASTM D2270)	209	206
Flash Point, ºC (ºF) (ASTM D92)	174 (345)	192 (378)
Fire Point, ºC (ºF) (ASTM D92)	192 (378)	208 (406)
Pour Point, ºC (ºF) (ASTM D97)	-53 (-63)	-48 (-54)
Four-Ball Wear @ 40 kgf, 75ºC, 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

Use Shock Therapy Light #5 and Medium #10 in applications that specify any of the following:

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

Recommendations

Use AMSOIL Shock Therapy Suspension Fluid in front forks and shocks on snowmobiles, dirt bikes, motorcycles, ATVs and other racing and recreational-use vehicles, as well as cars and trucks that require suspension systems that perform in the most extreme conditions. Agitate the fluid before use. Shock Therapy Suspension Fluid Light #5 is the preferred choice for winter use.

Use **AMSOIL Shock Therapy Suspension Fluid Light #5** in suspension systems where less dampening and quicker rebounds are desired, including those made by Showa*, Kayaba*, Bilstein*, RydeFX*, Penske* and WP* forks; and RACETECH* (US1) and Custom Axis*.

Use **AMSOIL Shock Therapy Suspension Fluid Medium #10** in suspension systems where more dampening control and slower rebounds are desired, including those made by Ohlin*, FOX*, RACETECH (US2), Koni* and WP shocks; and Harley-Davidson* forks that recommend type “E” or “B” fork oil.

AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.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). An SDS is available online at www.amsoil.com or upon request at 715-392-7101. **Keep Out Of Reach Of Children.** Recycle used oil and bottle.

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