DATA BULLETIN

Shock Therapy® Light #5 and Medium #10 Suspension Fluid

Ride Hard, Fly High

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

AMSOIL Shock Therapy Suspension Fluid is formulated with shear-stable synthetic base stocks with high viscosity indices. Its complete additive package reduces foaming, aeration and wear, while seal conditioners are added to keep seals soft and pliable. AMSOIL Shock Therapy Suspension Fluid has been tested and proven to be a superior, balanced product recommended for a wide range of temperatures and applications.

Controlled Dampening and Rebound

AMSOIL Shock Therapy Suspension Fluid is formulated to make suspension systems more predictable. Its base stocks 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.

TYPICAL TECHNICAL PROPERTIES

Shock Therapy® Suspension Fluid

	#5 Light (STL)	#10 Medium (STM)
Viscosity @ 100ºC, cSt (ASTM D-445)	4.4	7.3
Viscosity @ 40ºC, cSt (ASTM D-445)	5.7	32.1
Viscosity Index (ASTM D-2270)	210	205
Flash Point, ºC (ºF) (ASTM D-92)	175 (347)	202 (396)
Fire Point, ºC (ºF) (ASTM D-92)	192 (378)	217 (423)
Pour Point, ºC (ºF) (ASTM D-97)	-54 (-60)	-48 (-54)
Four-Ball Wear @ 40 kgf, 75ºC, 1200 rpm, 1 hr, scar diameter, mm (ASTM D-4172)	0.40	0.40
Foam, ml (ASTM D-892) Sequence I, II, III	65/0, 60/0, 65/0	65/0, 60/0, 65/0
Blender Test (25ºC, low speed, 1 min.)	2.5 mins to settle 8% foam	2.5 mins to settle 8%foam

Shock Therapy Light #5 Replaces the Following Lubricants:

- Spectro SPL Ultra Light
- Ohlins Front Fork #5
- Race Tech Light
- Klotz 5W
- Maxima Shock Fluid
- RydeFX
- Silkolene Pro RSF
- Golden Spectro Very Light
- Belray Fork 5W
- Bilstein Bilmst 3030
- Redline Light
- SLP Light
- PJ1 Fork Oil
- Showa SS05
- Belray HVI 5W

Shock Therapy Light #5 and Medium #10 are Recommended for Applications Specifying 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)

Shock Therapy Medium #10 Replaces the Following Lubricants:

- Spectro SK400 Shock & Fork Oil
- Race Tech Medium
- Maxima Fork Oil 10
- Belray HVI 10W
- Ohlins Front Fork Fluid #15
- Belray Fork 10W
- Spectro Fork Oil 10W
- Klotz 10W
- Redline Medium
- Spectro SPL Very Light
- Fox Racing Oil
- Harley-Davidson Fork Oil Type B
- Harley-Davidson Fork Oil Type E

Recommendations

AMSOIL Shock Therapy Suspension Fluid is recommended for front forks and shocks on snowmobiles, motocross and cruiser 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. It is recommended the fluid be agitated before use.

AMSOIL Shock Therapy Suspension Fluid is available in two different viscosities. AMSOIL Shock Therapy Suspension Fluid Light #5 (STL) is recommended for, but not limited to, Showa®, Kayaba®, Bilstein®, RydeFX®, Penske® and WP® forks; and RACETECH® (US1) and Custom Axis® suspension systems. Use Shock Therapy Light #5 where less dampening and quicker rebounds are desired. It is also the preferred choice for winter use.

AMSOIL Shock Therapy Suspension Fluid Medium #10 (STM) is recommended for, but not limited to, Ohlin®, FOX®, RACETECH® (US2), Koni® and WP® shocks; and Harley-Davidson® forks that recommend type “E” or “B” fork oil. Use Shock Therapy Medium #10 where more dampening control and slower rebounds are desired.

Product Availability

AMSOIL Shock Therapy Suspension Fluid is available in quarts and five-gallon pails.

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

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