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The First in Synthetics®

DATA BULLETIN

Synthetic Chaincase & Gear Oil

Long-Lasting Performance for ATVs and Snowmobiles

AMSOIL Synthetic Chaincase & Gear Oil provides superior protection and performance for enclosed chains and gears found in snowmobiles, ATVs and general equipment. Formulated with extreme-pressure additives, it helps extend chain and gear life through increased wear protection. AMSOIL Synthetic Chaincase & Gear Oil repels water, while also inhibiting rust, oxidation and foam. Its low pour point ensures superior low-temperature starting, reducing drag to deliver maximum power.

Designed Specifically for Chaincases & Gearcases

To reduce initial costs, some enthusiasts use automatic transmission fluid or gear lube in their snowmobile and ATV chaincases and gearcases. Neither fluid, however, is engineered for these applications. Automatic transmission fluid is a hydraulic fluid formulated without the extreme-pressure additives needed to provide enhanced wear protection, leaving gears and chains vulnerable to premature failure. Automotive gear lube is designed to lubricate hypoid gears and is too thick for proper chain and gear lubrication in powersports applications, impairing circulation and leading to wear and decreased energy efficiency.

AMSOIL Synthetic Chaincase & Gear Oil is specifically engineered to meet the demands of enclosed chaincases and gearcases, providing extreme-pressure protection and low-temperature fluidity for superior performance and protection.

Long-Lasting Protection

AMSOIL Synthetic Chaincase & Gear Oil is a 100 percent synthetic formulation that resists shear and chemical breakdown better than conventional fluids. Its superior base oils and additives provide long-lasting protection.



- **Extreme-pressure** additives promote long chain and gear life
- **Inhibits** rust & oxidation
- **Low-temperature** fluidity ensures maximum energy efficiency
- **Lasts** longer than conventional oils
- **Engineered** for use in Arctic Cat* Diamond Drive* gearcases



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Typical Technical Properties – Synthetic Chaincase & Gear Oil (TCC)


Kinematic Viscosity @ 100°C, cSt (ASTM D445)	10.3
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	68.6
Viscosity Index (ASTM D2270)	136
Flash Point, °C (°F) (ASTM D92)	236 (457)
Fire Point, °C (°F) (ASTM D92)	260 (500)
Pour Point, °C (°F) (ASTM D97)	-46 (-51)
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	5.1
Four-Ball Wear Test (ASTM D4172B @ 40 kg, 75°C, 1200 rpm, 1 hr), Scar, mm	0.39

APPLICATIONS

AMSOIL recommends Synthetic Chaincase & Gear Oil as a replacement for the following ATV and snowmobile original equipment manufacturer (OEM) fluids:

Arctic Cat* 
Chain Lube #4639-363

Bombardier*/Ski-Doo*/Can-Am* 
XP-S Mineral Chaincase Oil #415129500
XP-S Synthetic Chaincase Oil #293600138

Polaris* 
SCL Chaincase Lubricant #2872952
#2873105
#2873106

Yamaha* 
Snowmobile Chaincase Lube #ACC-CHNCS-FS-08

SERVICE LIFE

Recommended for the drain intervals established by the OEM.

COMPATIBILITY

AMSOIL Synthetic Chaincase & Gear Oil is compatible with conventional and synthetic chaincase oils. Mixing AMSOIL Synthetic Chaincase & Gear Oil with other oils, however, will reduce its performance benefits.

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 applications and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available via the Internet 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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