



The First in Synthetics®



DATA BULLETIN

OFFICIAL OIL



Synthetic Dirt Bike Oil

Designed to improve the performance of bike and rider.

AMSOIL Synthetic Dirt Bike Oil is engineered to deliver the performance attributes most requested by on- and off-track dirt bike riders, including consistent clutch feel. Consistent clutch feel is the result of “friction durability,” so whether deep into a race or deep in the woods, riders can feel confident their clutch will perform from start to finish. AMSOIL-exclusive advanced chemistry provides outstanding engine reliability for worry-free operation under severe conditions.

AMSOIL INC., the premier manufacturer of synthetic motorcycle lubricants, focuses on improving lubricant performance so riders can focus on improving their performance on the trail or the track. That’s why AMSOIL is the Official Oil of Monster Energy Supercross, AMSOIL Arenacross, AMSOIL GNCC and the AMA Amateur Nationals.



Delivers Confidence in Clutch Feel

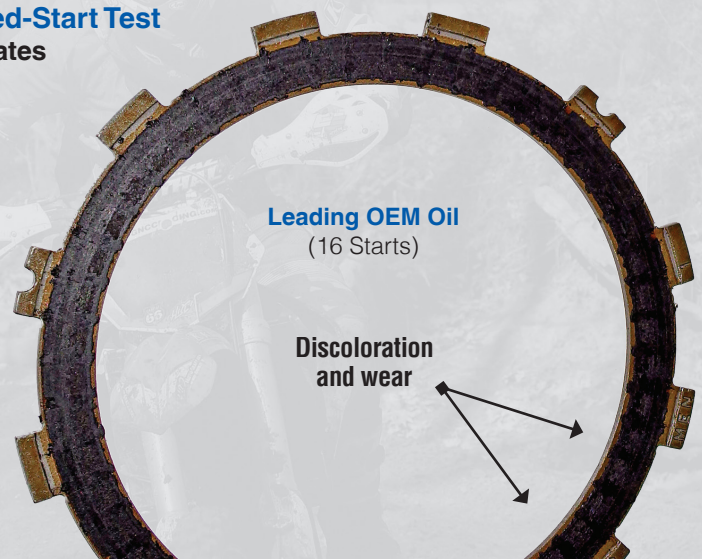
AMSOIL Synthetic Dirt Bike Oil’s superior friction-durability properties help minimize clutch slippage, fade and chatter, giving riders consistent clutch feel during takeoffs or when maneuvering around obstacles on the trail. In an extreme simulated-start test, AMSOIL Synthetic Dirt Bike Oil continued to deliver consistent clutch feel following 32 simulated race starts, while a leading original equipment manufacturer (OEM)-branded oil demonstrated inconsistent clutch-lever action and poor clutch feel after 16 starts. The clutch plates lubricated with AMSOIL Synthetic Dirt Bike Oil remained clean and in good overall condition, while the plates using the OEM oil revealed discoloration and wear. AMSOIL Synthetic Dirt Bike Oil’s superior performance helps instill in riders the confidence that their bikes will perform consistently in all types of riding conditions.

Protects Against Wear

AMSOIL Synthetic Dirt Bike Oil withstands high-rpm operation, extreme heat and mechanical shear. Its synthetic base oils naturally resist viscosity loss and provide a protective film against wear to gears, bearings and pistons. Its anti-wear additives provide an extra measure of protection, promoting long component life to help riders get the most out of their bikes.

- **Delivers** confidence in clutch feel
- **Superior** protection against gear, bearing & piston wear
- **Maximizes** horsepower
- **Helps** extend clutch life

Extreme Simulated-Start Test Clutch Plates



TYPICAL TECHNICAL PROPERTIES

AMSOIL Synthetic Dirt Bike Oil

	DB40	DB50	DB60
Kinematic Viscosity @ 100°C, cSt (ASTM D445).....	14.2	18.1	23.5
Kinematic Viscosity @ 40°C, cSt (ASTM D445).....	93.5	121.9	160.1
Viscosity Index (ASTM D2270).....	156	165	177
Flash Point, °C (°F) (ASTM D92).....	246 (475)	240 (464)	240 (464)
Fire Point, °C (°F) (ASTM D92).....	254 (489)	258 (496)	258 (496)
Pour Point, °C (°F) (ASTM D97).....	-44 (-47)	-38 (-36)	-38 (-36)
NOACK Volatility, % weight loss (g/100g) (ASTM D5800).....	4.0	5.5	4.5
High-Temperature/High-Shear Viscosity @150°C, 1.4 x 10 ⁶ s ⁻¹ , cP (ASTM D5481).....	4.1	4.9	5.8

RACING IS RESEARCH™

AMSOIL Synthetic Dirt Bike Oil underwent extensive on-track testing in the bikes of AMSOIL-sponsored professional riders on the GEICO/AMSOIL/Honda Factory Connection and Team Babbitt's racing teams. A combination of racer feedback and lab testing allowed AMSOIL to fine-tune AMSOIL Synthetic Dirt Bike Oil for outstanding wear protection and consistent clutch feel – benefits riders demand.

APPLICATIONS

10W-40 Synthetic Dirt Bike Oil: recommended for Honda®, Yamaha®, Kawasaki®, Suzuki®, Husqvarna® and other dirt bikes where 10W-40 motorcycle oil is used. Recommended for separate-sump applications such as Honda CRF, and many two-stroke dirt bikes. JASO MA, API SG, SJ, SH, SL.

10W-50 Synthetic Dirt Bike Oil: recommended for KTM®, Kawasaki, Yamaha, Suzuki, Husqvarna and other dirt bikes where 10W-50 motorcycle oil is used. Recommended in place of Motorex® Cross Power 4T. JASO MA, API SG, SJ, SH, SL.

10W-60 Synthetic Dirt Bike Oil: recommended for KTM, Husqvarna and other dirt bikes where 10W-60 motorcycle oil is used. Recommended in place of Motorex Cross Power 4T. JASO MA, API SG, SJ, SH, SL.

SERVICE LIFE

AMSOIL Synthetic Dirt Bike Oil should be changed according to the vehicle manufacturer's recommendations.

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.



Jeff Fisher

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www.SyntheticOils.us

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