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DATA SHEET

100% Synthetic Dirt Bike Oil

Designed to Improve Bike and Rider Performance

AMSOIL Synthetic Dirt Bike Oil is specifically engineered to provide superior clutch engagement and engine reliability in severe conditions, making it the best choice for professional riders and weekend warriors focused on improving performance on the trail or track. Whether launching the holeshot, roosting corners, overcoming obstacles or navigating tight turns deep in the woods, it delivers the performance attributes that dirt bike riders demand, including smooth, confident and consistent clutch engagement from start to finish.



- **Delivers** consistent clutch feel
- **Protects** against gear, bearing and piston wear
- **Maximizes** horsepower
- **Helps** extend clutch life

Consistent Clutch Feel

The superior friction-durability properties of AMSOIL Synthetic Dirt Bike Oil help eliminate clutch slippage, fade and chatter to provide consistent clutch feel during launches and when maneuvering over and around obstacles. In extreme testing, AMSOIL Synthetic Dirt Bike Oil continued to deliver consistent clutch engagement following 32 simulated race starts, while a leading motorcycle manufacturer-branded (OEM) oil demonstrated inconsistent clutch-lever action and poor clutch engagement after only 16 starts. The clutch plates lubricated with AMSOIL Synthetic Dirt Bike Oil remained clean and in good condition, while the plates using the OEM oil revealed discoloration and wear. AMSOIL Synthetic Dirt Bike Oil delivers superior clutch performance, giving riders confidence that their bikes will deliver predictable power when they need it most.

Protects Against Wear

The synthetic base oils in AMSOIL Synthetic Dirt Bike Oil naturally resist mechanical shear and viscosity loss, maintaining a thick protective film that helps prevent metal-to-metal contact under high-rpm operation and extreme heat. Its premium anti-wear additives provide an extra measure of protection against gear, bearing and piston wear that helps reduce maintenance and extend clutch and engine life.

Extreme Simulated-Start Test
Clutch Plates



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TYPICAL TECHNICAL PROPERTIES
AMSOIL Synthetic Dirt Bike Oil

	DB40	DB50	DB60
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	14	18.1	23.2
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	86.4	120.8	156.7
Viscosity Index (ASTM D2270)	167	167	178
Flash Point, °C (°F) (ASTM D92)	240 (464)	246 (475)	250 (482)
Fire Point, °C (°F) (ASTM D92)	270 (518)	272 (522)	274 (525)
Pour Point, °C (°F) (ASTM D97)	-40 (-40)	-38 (-36)	-36 (-33)
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	4.8	4.1	3.5
High-Temperature/High-Shear Viscosity @150°C, 1.4 x $10^6 s^{-1}$, cP (ASTM D5481)	4.0	4.9	5.8
Four-Ball Wear Test (ASTM D4192 @ 40 kgf, 150°C, 1800 rpm, 1 hr) scar, mm	0.57	0.52	0.52
Foam (ASTM D5182, Sequence I, II & III)	0/0, 20/0, 0/0	0/0, 20/0, 0/0	0/0, 20/0, 0/0
Total Base Number	7.6	7.6	7.6

RACING IS RESEARCH™
AMSOIL Synthetic Dirt Bike Oil was extensively performance tested by professional riders in their race bikes. A combination of racer feedback and lab testing was used to fine-tune the formula to deliver maximum anti-wear protection and consistent clutch feel – key benefits that dirt bike riders demand.

APPLICATIONS
Use **10W-40 Synthetic Dirt Bike Oil** in dirt bikes that require 10W-40 motorcycle oil, including those made by Honda*, Yamaha*, Kawasaki*, Suzuki* and Husqvarna*. Recommended for separate-sump applications, including the Honda CRF and many two-stroke dirt bikes. JASO MA; API SG, SJ, SH, SL.

Use **10W-50 Synthetic Dirt Bike Oil** in dirt bikes that require 10W-50 motorcycle oil, including those made by KTM*, Kawasaki, Yamaha, Suzuki and Husqvarna. JASO MA; API SG, SJ, SH, SL.

Use **10W-60 Synthetic Dirt Bike Oil** in dirt bikes that require 10W-60 motorcycle oil, including those made by KTM and Husqvarna. JASO MA; API SG, SJ, SH, SL.

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

COMPATIBILITY
AMSOIL Synthetic Dirt Bike Oil is compatible with other synthetic and conventional motor oils. However, adding other oils will shorten the life expectancy of AMSOIL motor oils and reduce their performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed. Aftermarket oil additives are not recommended for use with AMSOIL Synthetic Dirt Bike Oil.

WARRANTY SECURE
AMSOIL Synthetic Dirt Bike Oil is Warranty Secure, keeping your factory warranty intact. AMSOIL Synthetic Dirt Bike Oil is a high-performance replacement for vehicle manufacturer-branded products and is also backed by the AMSOIL Limited Warranty. For details, visit AMSOIL.com/warrantysecure.

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

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