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AMSOIL
The First in Synthetics®

DATA BULLETIN

OFFICIAL OIL

MONSTER ENERGY AMA SUPERCROSS
FIM World Championship

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 track. That's why AMSOIL is the Official Oil of Monster Energy Supercross, AMSOIL Arenacross and the AMSOIL GNCC.



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

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.

Extreme Simulated-Start Test
Clutch Plates



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

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
Four-Ball Wear Test (ASTM D4192 @ 40 kgf, 150°C, 1800 rpm, 1 hr) scar, mm	0.39	0.39	0.39
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	6.62	6.62	6.62

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
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. Adding other oils, however, 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 www.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). 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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AMSOIL products and Dealership information are available from your local full-service AMSOIL Dealer.

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