

TYPICAL TECHNICAL PROPERTIES Amsoil SAE 20W-50 Synthetic V Twin Motorcycle Oil (MCV)		TYPICAL TECHNICAL PROPERTIES Amsoil SAE 20W-50 Series 2000 Synthetic Racing Oil (TRO)		TYPICAL TECHNICAL PROPERTIES Amsoil SAE 15W-50 Dominator Synthetic Racing Oil (RD50)		Amsoil White Paper TECHNICAL PROPERTIES Mobil 1 SAE 20W-50 V Twin Motorcycle Oil	
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	20.1		18.3		17.5		20.9
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	151.98		128.1		119.6		
Viscosity Index (ASTM D-2270)	153		160		162		143
Cold Crank Simulator Apparent Viscosity @ -30°C cp (ASTM D 2602)			2343	Cold Crank Simulator Apparent Viscosity cp (°C) (ASTM D 5293)	6695 (-20)		
Pour Point °C (°F) (ASTM D-97)	-39 (-38)	Pour Point °C (°F) (ASTM D-92)	-36 (-33)		-36 (-33)		
Flash Point °C (°F) (ASTM D-92)	240 (464)		234 (453)		234 (453)		
Fire Point °C (°F) (ASTM D-92)			254 (489)		248 (478)		
High Temperature/High Shear Viscosity @ 150°C, 1.0 x 10 ⁶ s ⁻¹ (ASTM D 4683), cP	6.02		5.10		5.40		5.94
Four Ball Wear Test (ASTM D-4172 @ 60 kgf, 150°C, 1800 rpm, 1 hour), Scar in mm			0.44		0.47		
Four Ball Wear Test (ASTM D-4172 @ 40 kgf, 150°C, 1800 rpm, 1 hour), Scar in mm	0.40		0.35				0.65
FZG (ASTM D-5182), Load Stage Pass (Wear in mm)	13 (0mm)						
Noack Volatility, % weight loss (g/100g) (ASTM D-5800)	3.89		5.9				4.4
Foam (ASTM D-892, Sequence I, II & III)	0/0/0						0/0/0
Shear Stability Kurt Orbahn (ASTM D-6278), % viscosity change 120 cycles	0.25				6.3		
Rust Test - Humidity Cabinet (ASTM D-1748)	No Rust, Pass						No Rust, Pass
Total Base Number	11		> 11.0		8		
Zinc PPM	1440						1962
Gear Performance (FZG ASTM D-5182)	0						0
Oxidation Stability (TFOUT ASTM D-4742)	500						500
Acid Neutralization and Engine Cleanliness (TBN ASTM D-2896)(TFOUT ASTM D-4742)	11.06						9.81