

V-TWIN 20W-50

SYNTOL
LUBRICANTS

4T V-TWIN MOTORCYCLE OIL PREMIUM MINERAL OIL TECHNOLOGY

HIGH PERFORMANCE MINERAL MOTORCYCLE OIL DEVELOPED TO EXCEED THE REQUIREMENTS OF ALL BIKE MANUFACTURERS WHERE VISCOSITY GRADE IS APPROPRIATE.

THE USE OF PREMIUM MINERAL BASE OIL TECHNOLOGY, ALONG WITH INNOVATIVE ADDITIVE CHEMISTRY GUARANTEES PERFORMANCE WITHOUT ANY COMPROMISE ON COMPONENT WEAR, ENGINE RELIABILITY OR CATALYTIC CONVERTER COMPATIBILITY. THIS PRODUCT PROVIDES PROVEN LUBRICATION OF ENGINE & GEARBOX WHILST MAINTAINING THE HIGHEST LEVEL OF CLUTCH FRICTION.

APPLICATIONS

ALL 4 STROKE V-TWIN MOTORCYCLES WITH OR WITHOUT INTEGRAL GEARBOX AND WET OR DRY CLUTCH, WHERE SAE 20W-50 AND QUOTED PERFORMANCE SPECIFICATIONS ARE APPROPRIATE.

MAIN USES: HARLEY DAVIDSON® V-TWIN MOTORCYCLES (INCLUDING THOSE FITTED WITH CATALYTIC CONVERTER)

KEY FEATURES

- PREMIUM MINERAL BASE OIL TECHNOLOGY.
- RESISTANT TO PERMANENT VISCOSITY LOSS, ESPECIALLY IMPORTANT FOR MOTORCYCLES WITH COMBINED CRANKCASE AND TRANSMISSION.
- OUTSTANDING VALVETRAIN WEAR PROTECTION DEMONSTRATED BY ASTM D6891 – SEQUENCE IV-A RESULTS.
- LOW OIL CONSUMPTION.
- PROVEN DEPOSIT CONTROL CHEMISTRY.
- EXCELLENT STATIC AND DYNAMIC FRICTION CHARACTERISTICS FOR PERFECT OIL IMMERSED CLUTCH OPERATION DURING INITIAL ENGAGEMENT, CONSTANT SPEED AND ACCELERATION PHASES.

PERFORMANCE

JASO T904 - MA2
JASO T904 - MA

MAY BE USED WHERE API SL, SJ, SH OR SG ARE REQUIRED IN MOTORCYCLE APPLICATIONS.

PHYSICAL & CHEMICAL CHARACTERISTICS

PROPERTY	METHOD	UoM	TYPICAL	JASO LIMITS
SAE VISCOSITY	SAE J300	-	20W-50	-
RELATIVE DENSITY @ 15°C	ASTM D4052	g/cm3	0.8710	REPORT
KINEMATIC VISCOSITY @ 40°C	ASTM D445	mm2/s	171.1	REPORT
KINEMATIC VISCOSITY @ 100°C	ASTM D445	mm2/s	19.60	16.3 < 21.9
VISCOSITY INDEX	ASTM D2270	-	131	REPORT
CCS VISCOSITY @ -15°C	ASTM D5293	mPa.s	6950	9500 MAX.
HTHS VISCOSITY @ 150°C	ASTM D5481	mPa.s	5.0	3.7 MIN.
TOTAL BASE NUMBER (TBN)	ASTM D2896	mgKOH/g	8.4	REPORT
FLASH POINT (CoC)	ASTM D92	°C	254	REPORT
POUR POINT	ASTM D97	°C	-36	REPORT
EVAPORATIONAL LOSS - NOACK (250°C)	ASTM D5800B	% mass	6.0	20 MAX.
KO SHEAR STABILITY - AFTER SHEAR (100°C)	ASTM D6278	mm2/s	18.0	15.0 MIN.
SHEAR STABILITY INDEX - SSI	ASTM D6278	%	8.2	-
FOAMING TENDENCY - SEQUENCE I (24°C)	ASTM D892	MI	0-0	10-0
FOAMING TENDENCY - SEQUENCE II (93.5°C)	ASTM D892	mL	0-0	50-0
FOAMING TENDENCY - SEQUENCE III (24°C)	ASTM D892	mL	0-0	10-0
SULPHATED ASH	ASTM D874	% mass	1.0	1.2 MAX.
PHOSPHORUS CONTENT	ASTM D6443	% mass	0.10	0.08-0.12
SULPHUR CONTENT	ASTM D6443	% mass	0.70	REPORT
APPEARANCE	ASTM D4176-1	-	CLEAR & BRIGHT	REPORT
COLOUR	VISUAL	-	AMBER	REPORT