

V-TWIN 20W-40

SYNTOL
LUBRICANTS

4T V-TWIN MOTORCYCLE OIL SYNTHETIC **ESTER MATRYX®** TECHNOLOGY

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

THE USE OF OUR PROPRIETARY **ESTER MATRYX®** 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-40 AND ABOVE PERFORMANCE SPECIFICATIONS ARE APPROPRIATE.

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

KEY FEATURES

- SYNTHETIC **ESTER MATRYX®** 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 ALL MOTORCYCLE APPLICATIONS.

PHYSICAL & CHEMICAL CHARACTERISTICS

PROPERTY	METHOD	UoM	TYPICAL	JASO LIMITS
SAE VISCOSITY	SAE J300	-	20W-40	-
SAE VISCOSITY	SAE J306	-	75W-90	-
RELATIVE DENSITY @ 15°C	ASTM D4052	g/cm3	0.8700	REPORT
KINEMATIC VISCOSITY @ 40°C	ASTM D445	mm2/s	95.00	REPORT
KINEMATIC VISCOSITY @ 100°C	ASTM D445	mm2/s	14.60	12.5<16.3
VISCOSITY INDEX	ASTM D2270	-	160	REPORT
CCS VISCOSITY @ -15°C	ASTM D5293	mPa.s	6700	9500 MAX.
HTHS VISCOSITY @ 150°C	ASTM D5481	mPa.s	4.2	2.9 MIN.
TOTAL BASE NUMBER (TBN)	ASTM D2896	mgKOH/g	7.4	REPORT
FLASH POINT (CoC)	ASTM D92	°C	247	REPORT
POUR POINT	ASTM D97	°C	-30	REPORT
EVAPORATIONAL LOSS - NOACK (250°C)	ASTM D5800B	% mass	9.0	20 MAX.
KO SHEAR STABILITY - AFTER SHEAR (100°C)	ASTM D6278	mm2/s	12.8	12.0 MIN.
SHEAR STABILITY INDEX - SSI	ASTM D6278	%	11.1	-
FOAMING TENDENCY - SEQUENCE I (24°C)	ASTM D892	mL	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	1.1	1.2 MAX.
PHOSPHORUS CONTENT	ASTM D6443	% mass	0.10	0.08-0.12
SULPHUR CONTENT	ASTM D6443	% mass	0.30	REPORT
APPEARANCE	ASTM D4176-1	-	CLEAR & BRIGHT	REPORT
COLOUR	VISUAL	-	AMBER	REPORT