

# V-TWIN 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 50 AND QUOTED PERFORMANCE SPECIFICATIONS ARE APPROPRIATE.

**MAIN USES:** PRE-EVOLUTION HARLEY DAVIDSON® V-TWIN MOTORCYCLES.

### 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     | -       | 50             | -           |
| RELATIVE DENSITY @ 15°C                  | ASTM D4052   | g/cm3   | 0.8930         | REPORT      |
| KINEMATIC VISCOSITY @ 40°C               | ASTM D445    | mm2/s   | 208.0          | REPORT      |
| KINEMATIC VISCOSITY @ 100°C              | ASTM D445    | mm2/s   | 19.80          | 16.3 < 21.9 |
| VISCOSITY INDEX                          | ASTM D2270   | -       | 110            | REPORT      |
| TOTAL BASE NUMBER (TBN)                  | ASTM D2896   | mgKOH/g | 8.4            | REPORT      |
| FLASH POINT (CoC)                        | ASTM D92     | °C      | 262            | REPORT      |
| POUR POINT                               | ASTM D97     | °C      | -27            | REPORT      |
| EVAPORATIONAL LOSS - NOACK (250°C)       | ASTM D5800B  | % mass  | 3.1            | 20 MAX.     |
| KO SHEAR STABILITY - AFTER SHEAR (100°C) | ASTM D6278   | mm2/s   | 19.8           | 15.0 MIN.   |
| SHEAR STABILITY INDEX - SSI              | ASTM D6278   | %       | 0              | -           |
| 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  | 1.0            | 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      |