

# NERO-R 4T 10W-50

**SYNTOL**  
LUBRICANTS

## 4T RACING MOTORCYCLE OIL

### 100% SYNTHETIC **COMPLEX-ESTER MATRYX®** TECHNOLOGY

ULTRA HIGH PERFORMANCE 4T RACING MOTORCYCLE OIL DEVELOPED FROM DECADES OF EXPERIENCE IN CONJUNCTION WITH FACTORY RACING TEAMS.

THE USE OF OUR PROPRIETARY **COMPLEX-ESTER MATRYX®**, ALONG WITH INNOVATIVE ADDITIVE CHEMISTRY GUARANTEES MAXIMUM ENGINE POWER WITHOUT ANY COMPROMISE ON COMPONENT WEAR OR ENGINE RELIABILITY. THIS PRODUCT PROVIDES WORLD CLASS LUBRICATION OF ENGINE & GEARBOX WHILST MAINTAINING THE HIGHEST LEVEL OF CLUTCH FRICTION.

#### APPLICATIONS

ALL ROAD & OFF-ROAD 4 STROKE RACE BIKES WITH OR WITHOUT INTEGRAL GEARBOX AND WET OR DRY CLUTCH.

**MAIN USES:** SUPERBIKE (ALL CLASSES), GRAND PRIX (ALL CLASSES), MOTOCROSS, SUPERCROSS, ENDURO

**OTHER USES:** PERFORMANCE BIKES, SPORT BIKES, STREET BIKES (INCLUDING THOSE FITTED WITH CATALYTIC CONVERTER), SCOOTER, ATV, UTV.

#### KEY FEATURES

- 100% SYNTHETIC **COMPLEX-ESTER MATRYX®** TECHNOLOGY
- RELEASES MORE POWER THAN PREVIOUS GENERATION RACING OILS, WITHOUT SACRIFICING ENGINE DURABILITY
- HIGHLY RESISTANT TO PERMANENT VISCOSITY LOSS, ESPECIALLY IMPORTANT FOR MOTORCYCLES WITH COMBINED CRANKCASE AND TRANSMISSION
- ULTRA LOW OIL CONSUMPTION
- MARKET LEADING DEPOSIT CONTROL CHEMISTRY
- EXCELLENT STATIC AND DYNAMIC FRICTION CHARACTERISTICS FOR PERFECT OIL IMMERSED CLUTCH OPERATION DURING INITIAL ENGAGEMENT, CONSTANT SPEED AND ACCELERATION PHASES.

#### PERFORMANCE

#### SIGNIFICANTLY ABOVE ALL EXISTING MOTORCYCLE OIL PERFORMANCE STANDARDS

JASO  
JASO

T904 - MA2  
T904 - MA

MAY BE USED WHERE API SP, SN, SM, SL, SJ, SH OR SG ARE REQUIRED IN ALL POWERSPORT APPLICATIONS.

NERO-R 4T 10W-50 IS SUITABLE FOR USE IN ALL **BMW®**, **DUCATI®**, **KTM®** AND OTHER EQUIPMENT WHERE SAE 10W-50 AND ABOVE PERFORMANCE SPECIFICATIONS ARE APPROPRIATE.

#### PHYSICAL & CHEMICAL CHARACTERISTICS

| PROPERTY                                 | METHOD       | UoM     | TYPICAL        | JASO LIMITS |
|------------------------------------------|--------------|---------|----------------|-------------|
| SAE VISCOSITY                            | SAE J300     | -       | 10W-50         | -           |
| SAE VISCOSITY                            | SAE J306     | -       | 75W-110        | -           |
| RELATIVE DENSITY @ 15°C                  | ASTM D4052   | g/cm3   | 0.8610         | REPORT      |
| KINEMATIC VISCOSITY @ 40°C               | ASTM D445    | mm2/s   | 125.1          | REPORT      |
| KINEMATIC VISCOSITY @ 100°C              | ASTM D445    | mm2/s   | 18.40          | 16.3<21.9   |
| VISCOSITY INDEX                          | ASTM D2270   | -       | 165            | REPORT      |
| CCS VISCOSITY @ -25°C                    | ASTM D5293   | mPa.s   | 5350           | 7000 MAX.   |
| HTHS VISCOSITY @ 150°C                   | ASTM D5481   | mPa.s   | 5.6            | 2.9 MIN.    |
| TOTAL BASE NUMBER (TBN)                  | ASTM D2896   | mgKOH/g | 8.4            | REPORT      |
| FLASH POINT (CoC)                        | ASTM D92     | °C      | 252            | REPORT      |
| POUR POINT                               | ASTM D97     | °C      | -45            | REPORT      |
| EVAPORATIONAL LOSS - NOACK (250°C)       | ASTM D5800B  | % mass  | 3.9            | 20 MAX.     |
| KO SHEAR STABILITY - AFTER SHEAR (100°C) | ASTM D6278   | mm2/s   | 18.1           | 15.0 MIN.   |
| SHEAR STABILITY INDEX - SSI              | ASTM D6278   | %       | 1.6            | -           |
| 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  | 0.30           | REPORT      |
| APPEARANCE                               | ASTM D4176-1 | -       | CLEAR & BRIGHT | REPORT      |
| COLOUR                                   | VISUAL       | -       | BLUE           | REPORT      |

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