

# NERO-R 4T 5W-20



## 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 1-3% MORE POWER THAN PREVIOUS GENERATION RACING OILS, WITHOUT SACRIFICING ENGINE DURABILITY
- 100% 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 T904:2016 - MA2  
JASO T904:2016 - MA

MAY BE USED WHERE API SN, SM, SL, SJ, SH OR SG ARE REQUIRED AND VISCOSITY GRADE IS APPROPRIATE IN ALL POWERSPORT APPLICATIONS.

#### PHYSICAL & CHEMICAL CHARACTERISTICS

PROPERTY	METHOD	UoM	TYPICAL	JASO LIMITS
SAE VISCOSITY	SAE J300	-	5W-20	-
SAE VISCOSITY	SAE J306	-	75W-80	-
RELATIVE DENSITY @ 15°C	ASTM D4052	g/cm3	0.8530	REPORT
KINEMATIC VISCOSITY @ 40°C	ASTM D445	mm2/s	50.50	REPORT
KINEMATIC VISCOSITY @ 100°C	ASTM D445	mm2/s	9.00	6.9-9.3
VISCOSITY INDEX	ASTM D2270	-	160	REPORT
CCS VISCOSITY @ -30°C	ASTM D5293	mPa.s	5000	6600 MAX.
HTHS VISCOSITY @ 150°C	ASTM D5481	mPa.s	3.0	2.9 MIN.
TOTAL BASE NUMBER (TBN)	ASTM D2896	mgKOH/g	8.4	REPORT
FLASH POINT (CoC)	ASTM D92	°C	255	REPORT
POUR POINT	ASTM D97	°C	-42	REPORT
EVAPORATIONAL LOSS - NOACK (250°C)	ASTM D5800B	% mass	2.9	20 MAX.
KO SHEAR STABILITY - AFTER SHEAR (100°C)	ASTM D6278	mm2/s	9.0	6.9 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.
APPEARANCE	ASTM D4176-1	-	CLEAR & BRIGHT	REPORT
COLOUR	VISUAL	-	BLUE	REPORT

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