

# NERO-R ULTRACOOOL



## READY TO USE RACING MOTORCYCLE ENGINE COOLANT

ULTRA HIGH PERFORMANCE RACING COOLANT DEVELOPED TO EXCEED THE REQUIREMENTS OF ALL LIQUID COOLING SYSTEMS.

THE USE OF OUR PROPRIETARY BASE FLUID TECHNOLOGY, ALONG WITH INNOVATIVE ADDITIVE CHEMISTRY GUARANTEES ULTIMATE PERFORMANCE WITHOUT ANY COMPROMISE OF COOLING SYSTEM COMPONENTS AND THEREFORE RELIABILITY.

### APPLICATIONS

FOR USE IN ALL ROAD & OFF-ROAD RACING MOTORCYCLES WHERE ASTM D3306, D4985 OR BS 6580 STANDARDS ARE RECOMMENDED.

**MUST NOT BE USED IN SUB ZERO AMBIENT TEMPERATURES.**

### KEY FEATURES

- PRE-MIXED READY TO USE FORMULA – DO NOT DILUTE
- EMPLOYS LEADING NITRITE, PHOSPHATE, BORATE, SILICATE AND AMINE FREE ORGANIC ACID INHIBITOR TECHNOLOGY
- PROTECTS COOLING SYSTEMS, INCLUDING THOSE WITH MAGNESIUM AND ALUMINIUM COMPONENTS, FROM CORROSION AND DEPOSITS
- OUTSTANDING THERMAL CONDUCTIVITY AND HEAT TRANSFER CAPABILITIES FOR MAXIMUM HEAT REMOVAL WHEN COMPARED TO CONVENTIONAL GLYCOL BASED COOLANTS.
- UP TO 20° TEMPERATURE REDUCTION THROUGH USE OF PROPRIETARY INHIBITOR CHEMISTRY
- COMPATIBLE WITH ALL COOLANTS SO NO FLUSHING OF SYSTEM REQUIRED, SIMPLY DRAIN OLD FLUID AND REPLACE WITH NERO-R ULTRACOOOL

### PERFORMANCE

**ABOVE ALL MOTORCYCLE COOLANT STANDARDS**

### PHYSICAL & CHEMICAL CHARACTERISTICS

| PROPERTY                                     | METHOD       | UoM         | TYPICAL         | LIMITS    |
|--|--------------|-------------|-----------------|-----------|
| ERBP @ 15 PSI.                               | ASTM D1120   | °C/°F/°R    | 121 / 250 / 709 | -         |
| FREEZING POINT                               | ASTM D1177   | °C/°F/°R    | 0 / 32 / 492    | -         |
| RELATIVE DENSITY @ 15°C                      | ASTM D4052   | g/cm3       | 1.051           | -         |
| ASH CONTENT                                  | ASTM D1119   | %           | 1.65            | 5 MAX.    |
| pH   | ASTM D1287   | -           | 8.3             | 7.5-11.0  |
| RESERVE ALKALINITY                           | ASTM D1121   | mL          | 5.4             | -         |
| EFFECT ON AUTOMOTIVE FINISH                  | ASTM D1882   | -           | NO EFFECT       | NO EFFECT |
| CHLORIDE CONTENT                             | ASTM D3634   | ppm         | 19              | 25 MAX.   |
| FOAMING TENDENCY @ 88°C, FOAM                | ASTM D1881   | mL          | 33              | 150 MAX.  |
| FOAMING TENDENCY @ 88°C, BREAK TIME          | ASTM D1881   | SECOND      | 1               | 5 MAX.    |
| CAVITATION CORROSION (ALUMINIUM PUMP)        | ASTM D2809   | RATING      | 9               | 8 MIN.    |
| CORROSION RESISTANCE (COPPER)                | ASTM D1384   | Mg          | 0.5             | 10 MAX.   |
| CORROSION RESISTANCE (SOLDER)                | ASTM D1384   | Mg          | 0.7             | 10 MAX.   |
| CORROSION RESISTANCE (BRASS)                 | ASTM D1384   | Mg          | 0.2             | 10 MAX.   |
| CORROSION RESISTANCE (STEEL)                 | ASTM D1384   | Mg          | 0.0             | 10 MAX.   |
| CORROSION RESISTANCE (CAST IRON)             | ASTM D1384   | Mg          | 1.3             | 10 MAX.   |
| CORROSION RESISTANCE (ALUMINIUM ALLOY)       | ASTM D1384   | Mg          | 0.0             | 10 MAX.   |
| SIMULATED SERVICE CORROSION TEST (COPPER)    | ASTM D2570   | Mg          |                 | 20 MAX.   |
| SIMULATED SERVICE CORROSION TEST (SOLDER)    | ASTM D2570   | Mg          |                 | 60 MAX.   |
| SIMULATED SERVICE CORROSION TEST (BRASS)     | ASTM D2570   | Mg          |                 | 20 MAX.   |
| SIMULATED SERVICE CORROSION TEST (STEEL)     | ASTM D2570   | Mg          |                 | 20 MAX.   |
| SIMULATED SERVICE CORROSION TEST (CAST IRON) | ASTM D2570   | Mg          |                 | 20 MAX.   |
| SIMULATED SERVICE CORROSION TEST (AL ALLOY)  | ASTM D2570   | Mg          |                 | 60 MAX.   |
| ALUMINIUM HEAT TRANSFER CORROSION            | ASTM D4340   | Mg/cm2/week | 0.13            | 1.0 MAX.  |
| APPEARANCE                                   | ASTM D4176-1 | -           | CLEAR & BRIGHT  | -         |
| COLOUR                                       | VISUAL       | -           | STRAW           | -         |

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