



TECHNICAL DATA SHEET

Max-Tane

ALL-IN-ONE ALL-SEASON DIESEL ADDITIVE

Royal Purple® Max-Tane® is formulated for year-round use in all types of light, medium and heavy duty diesel engines, and is compatible with any type or grade of diesel fuel, including #1 diesel and #2 diesel, biodiesel and ultra-low-sulfur diesel (ULSD). Max-Tane is specifically formulated to solve problems associated with today's new HPCR (High Pressure Common Rail) diesel injection systems. Safe for use with all types of diesel exhaust emission systems equipment, including diesel particulate filters (DPFs) and catalytic converters. Do not pour into Diesel Exhaust Fluid.

| Test | Competitor 1 | Competitor 2 | Competitor 3 | Competitor 4 | Royal Purple Max-Tane |
|--|--------------|--------------|--------------|--------------|-----------------------|
| Claimed Cetane Boost | No Claim | "Up to 6" | No Claim | "Up to 10" | "Up to 8" |
| Actual Max Cetane Boost | 3.4 | 4.4 | 3.4 | 4.4 | 8.1 |
| Calculated Hydrocarbon Emissions Reduction | 18% | 22% | 18% | 22% | 34% |
| Calculated CO Emission Reduction | 13% | 14% | 13% | 14% | 26% |
| Calculated Engine Noise Reduction | 1.2 dB | 1.5 dB | 1.2 dB | 1.5 dB | 3.0 dB |
| Calculated Reduction in Start Time* | 19% | 22% | 19% | 22% | 40% |
| Freeze Point Reduction | None | None | -25°F | None | -38°F |
| Cetane? | Yes | Yes | Yes | Yes | Yes |
| Lubricity? | Yes | Yes | Yes | Yes | Yes |
| Detergents? | Yes | Yes | Yes | Yes | Yes |
| Dispersants? | No | No | Yes | No | Yes |
| Stabilizer? | No | No | Yes | No | Yes |
| Anti-gel? | No | No | Yes | No | Yes |
| De-icer? | No | No | Yes | No | Yes |

PERFORMANCE ADVANTAGES

- RAISES CETANE BY UP TO 8 – Significantly increases Cetane rating of fuel when used as directed
- IMPROVES DRIVEABILITY – Maximizes horsepower; improves engine responsiveness
- INCREASES FUEL ECONOMY – Increases combustability of fuel, resulting in better engine operation
- INCREASES DRIVEABILITY – Maximizes horsepower; improves engine responsiveness
- REDUCES COLD-START PROBLEMS – Anti-gel and de-icer improve flow of fuel in cold temperatures
- CLEANS DEPOSITS – Excellent detergency prevents and removes deposits in fuel system and combustion chamber
- REDUCES EMISSIONS – Treated fuel combusts better, reducing smoke, CO emissions and odor

RECOMMENDED TREAT RATE

The minimum recommended dosage is one (1) ounce per five (5) gallons of diesel fuel. High performance applications can safely use one (1) ounce per two (2) gallons of diesel fuel for maximum benefit. If uncertain of exact tank size, round up. Replace cap after bottle has been emptied and dispose of properly.

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