PART NUMBER: 20000

GASOLINE DETERGENT/INHIBITOR CONCENTRATE

**PERFORMANCE FEATURES**

- Cleans dirty carburetors
- Keeps fuel injectors clean
- Cleans dirty fuel injectors
- Meets BMW Unlimited Approval Requirements for LCD Detergency
- Cleans existing intake valve deposits
- Reduces combustion chamber deposits
- Reduces CO and hydrocarbon emissions
- Improves fuel economy
- Protects against fuel system corrosion
- Safe for catalytic converters and oxygen sensors
- EPA registered for refinery and aftermarket use

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Formula 7
Super Concentrated Fuel Injector & Combustion Chamber Cleaner
Part No. 20000

Gasoline Detergent/Inhibitor Concentrate

Continuous-Use PFI Keep Clean

- Test was conducted using a Chrysler 2.2L Test Car
- CARB* Requires <5% injector fouling of any injector in 10,000 miles
- Additive treatment rate was 170 PPMV

* CARB = California Air Resources Board

PP-20000-2
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PETRON PLUS™
FORMULA 7
SUPER CONCENTRATED FUEL INJECTOR & COMBUSTION CHAMBER CLEANER
Part No. 20000
GASOLINE DETERGENT/INHIBITOR CONCENTRATE

CONTINUOUS-USE PFI CLEAN-UP

FOUR TANK PFI CLEAN-UP

- TEST WAS CONDUCTED USING A CHRYSLER 2.2L TEST CAR
- DIRTY-UP OCCURRED OVER 4,500 MILES WITH BASE GASOLINE
- CLEAN-UP OCCURRED OVER 1,450 MILES WITH BASE GASOLINE + PP 20000
- CARB* ALLOWS 10,000 MILES FOR CLEAN-UP TO <5% INJECTOR FOULING
- ADDITIVE TREATMENT RATE WAS 210 PPMV

* CARB = California Air Resources Board

PP-20000-3

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SUPER CONCENTRATED FUEL INJECTOR
& COMBUSTION CHAMBER CLEANER
Part No. 20000

GASOLINE DETERGENT/INHIBITOR CONCENTRATE

PFI CLEAN-UP PERFORMANCE

ONE TANK PFI CLEAN-UP

- TEST WAS CONDUCTED USING A CHRYSLER 2.2L TEST CAR
- DIRTY-UP OCCURRED OVER 4,000 MILES WITH BASE GASOLINE
- CLEAN-UP OCCURRED OVER 300 MILES WITH BASE GASOLINE + PP 20000
- ADDITIVE TREATMENT RATE WAS 420 PPMV

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GASOLINE DETERGENT/INHIBITOR CONCENTRATE

BMW 318I IVD TEST

10,000 MILE IVD WEIGHT

- INDUSTRY STANDARD ASTM D5500-94 IVD TEST
- FUEL COMPOSITION: 6% OLEFIN; 32% AROMATICS; 280 PPM SULFUR; 15% MTBE
- UNLIMITED BMW APPROVAL REQUIRES <100 MG AVERAGE DEPOSITS
- ACTIVE INGREDIENT CONCENTRATION WAS 170 PPM BY VOLUME

PP-20000-5
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GASOLINE DETERGENT/INHIBITOR CONCENTRATE

INTAKE VALVE DEPOSIT TESTS

- TEST 1 USED THE 2.3L FORD IVD DYNO TEST
- TEST 2 USED THE 3.3L INTREPID IVD TEST RUN ON A MAD*
- ADDITIVE TREATMENT RATES WERE 365 PPMV (TEST 1); AND 435 PPMV

* MAD = Mileage Accumulation Dynamometer

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GASOLINE DETERGENT/INHIBITOR CONCENTRATE

INTAKE VALVE CLEAN-UP PERFORMANCE

5,000 MILE INTAKE VALVE CLEAN-UP

- TEST WAS THE MODIFIED VERSION OF BMW 318i IVD PROCEDURE
- DIRTY-UP WAS RUN OVER 10,000 MILES WITH 65 PERCENTILE BASE FUEL
- CLEAN-UP WAS RUN OVER 5,000 MILES WITH COMMERCIAL RUL + PP 20000
- ADDITIVE TREATMENT RATE WAS 310 PPMV

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GASOLINE DETERGENT/INHIBITOR CONCENTRATE

PETRON PLUS 20000 PERFORMANCE vs TECHRON®

- SINGLE TREAT RATE WAS 385 PPMV FOR TECHRON & 365 PPMV FOR PP-20000
- DOUBLE TREAT RATE WAS 770 PPMV FOR TECHRON & 730 PPMV FOR PP-20000

PP-20000-8
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Part No. 20000

GASOLINE DETERGENT/INHIBITOR CONCENTRATE

NO HARM TESTING

- COMPARED TO A SUCCESSFUL PREVIOUS GENERATION ADDITIVE, A 50,000 MILE FLEET TEST OPERATING ON THE BMW IVD CYCLE SHOWED:
  - Lower Intake Valve Deposits
  - Lower Combustion Chamber Deposits
  - Typical or Lower Levels of Metals in Used Oil
  - No Adverse Affect on Oil Viscosity
  - Lower Average Levels of Engine Varnish

- SEQUENCE VE OIL TESTS COMPARING BASE AND ADDITIZED FUELS SHOWED:
  - Lower Levels of Sludge and Varnish for the Fuel + PETRON PLUS 20000
  - Much Reduced Levels of Camshaft Wear

- PETRON PLUS 20000 PASSES THE SwRI VANAGON VALVE STICKING TEST

- PETRON PLUS 20000 PASSES THE NACE RUST TEST WITH AN “A” RATING

- PETRON PLUS PASSES THE ASTM D1094 WATER SEPARATION TEST