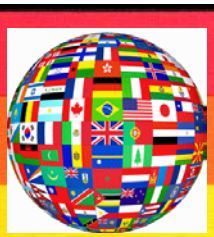


PETRON PLUS™
FORMULA 7

SUPER CONCENTRATE FUEL SYSTEM CLEANER

Part No. 20005, 20000, & 20001

MULTI-PURPOSE GASOLINE DETERGENT/INHIBITOR

PERFORMANCE FEATURES

- **POWERFUL DETERGENT CLEANS DIRTY CARBURETORS**
- **KEEPS FUEL INJECTORS CLEAN**
- **CLEANS DIRTY FUEL INJECTORS**
- **MEETS BMW UNLIMITED APPROVAL REQUIREMENTS FOR IVD DETERGENCY**
- **CLEANS EXISTING INTAKE VALVE DEPOSITS**
- **REDUCES COMBUSTION CHAMBER DEPOSITS**
- **HELPS REDUCE CO AND HC EMISSIONS**
- **HELPS IMPROVE FUEL ECONOMY**
- **PROTECTS AGAINST FUEL SYSTEM CORROSION**
- **EPA REGISTERED - SAFE FOR CATALYSTS AND OXYGEN SENSORS**

SUPER CONCENTRATE FUEL SYSTEM CLEANER

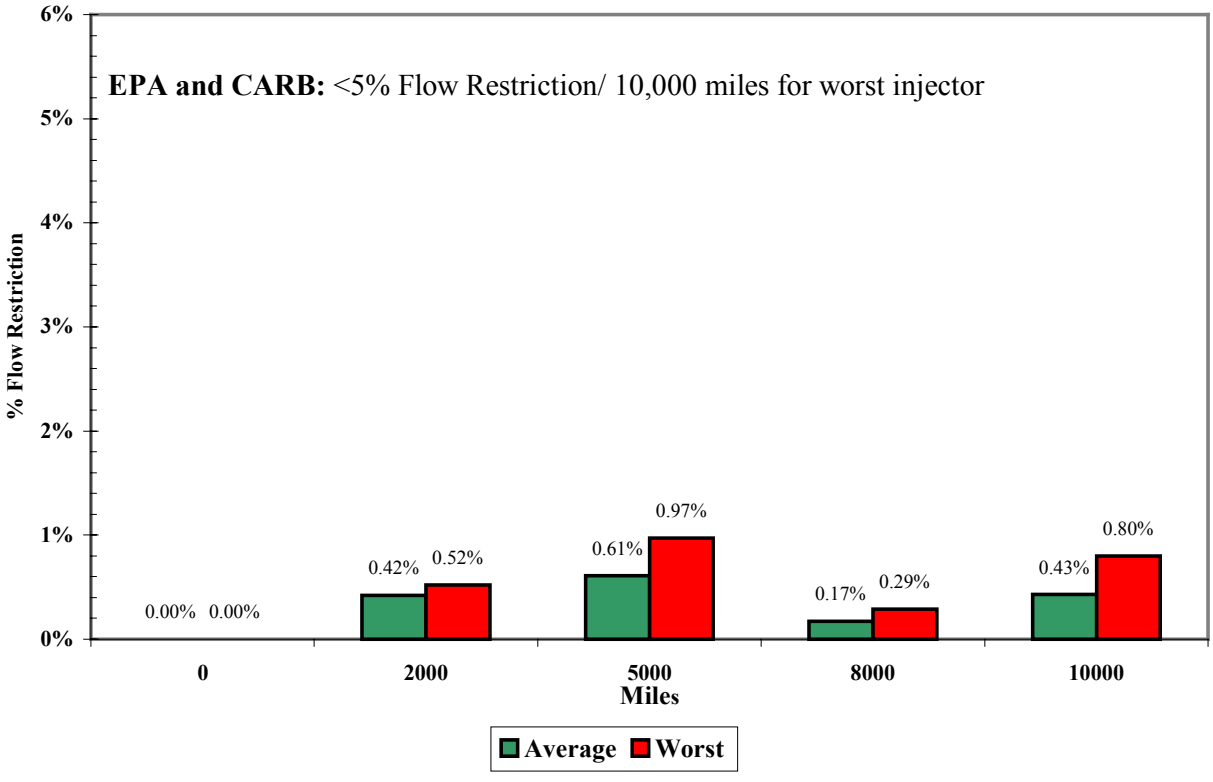
Part No. 20005, 20000, & 20001

MULTI-PURPOSE GASOLINE DETERGENT/INHIBITOR

PFI KEEP CLEAN

The fuel injectors, like the intake valves are a critical part of the fuel delivery system. Deposits can affect spray pattern and as a consequence, emissions, economics and drivability. The ASTM D5598 test procedure consists of a standard 15-minute drive cycle followed by a 45-minute hot soak. This cycle is carried out over a total distance of 10,000 miles.

EPA 65th Percentile Fuel + EtOH		
Parameter	**Actual**	**Requirements**
Olefins, % v/v	12.8	≥11.4
Aromatics, % v/v	32.1	≥31.1
Sulfur, ppm, w/w	431	≥340
T90, °F	348.4	≥339
Oxygenate, (EtOH), % v/v	10	≥10



- **TREAT RATE FOR SCFSC-20005 WAS 85 PPMV**

SUPER CONCENTRATE FUEL SYSTEM CLEANER

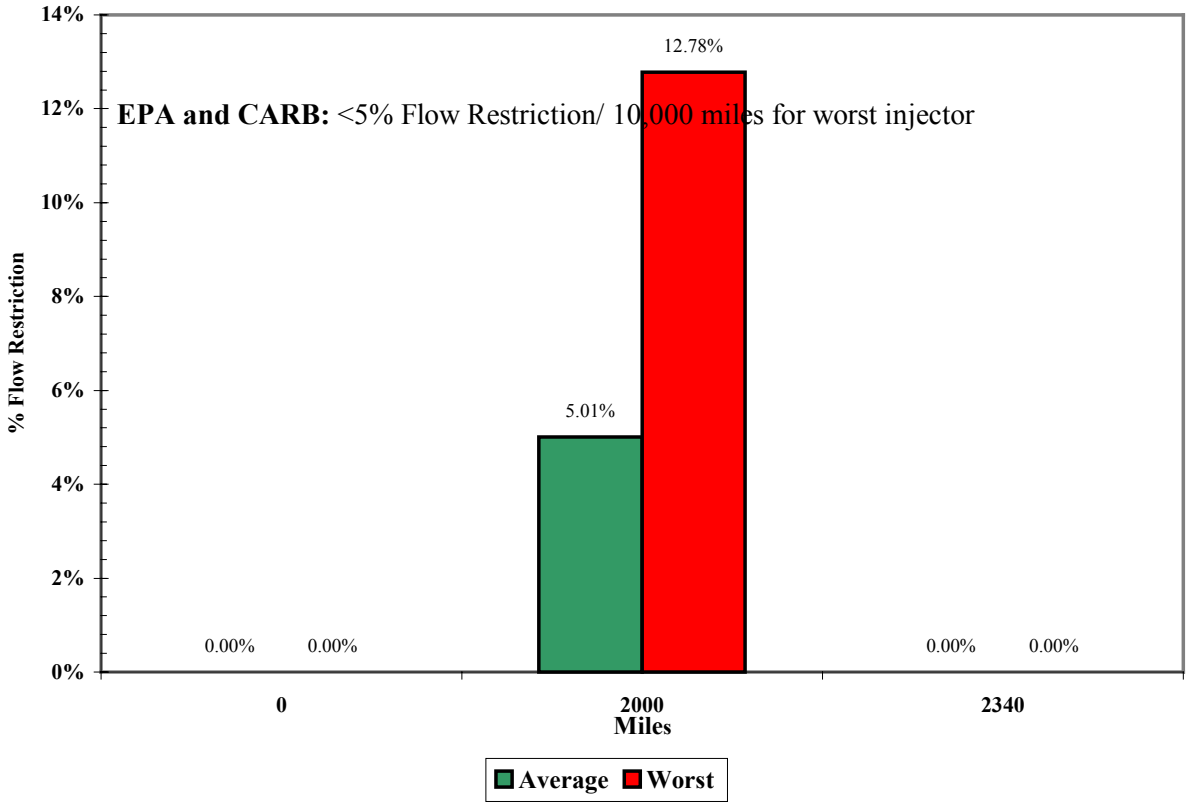
Part No. 20005, 20000, & 20001

MULTI-PURPOSE GASOLINE DETERGENT/INHIBITOR

PFI DETERGENCY CLEAN UP

The clean up performance of SCFSC-20005 at a concentration of 85 ppmv has been evaluated using a modified CARB D5598 test method. The testing comprises a deposit build up cycle of 2,000 miles followed by a 340 mile clean up. The fuel was treated with SCFSC-20005 for the second cycle.

Clean up Fuel	
Parameter	**Actual**
Olefins, % v/v	7.3
Aromatics, % v/v	33.8
Sulfur, ppm, w/w	212
T90, °F	353.5
Oxygenate, (EtOH), % v/v	10



- **At A TREAT RATE OF 85 PPMV SCFSC-20005 EXHIBITS EXCELLENT CLEANUP PERFORMANCE WITH RESPECT TO PFI DETERGENCY**

SUPER CONCENTRATE FUEL SYSTEM CLEANER

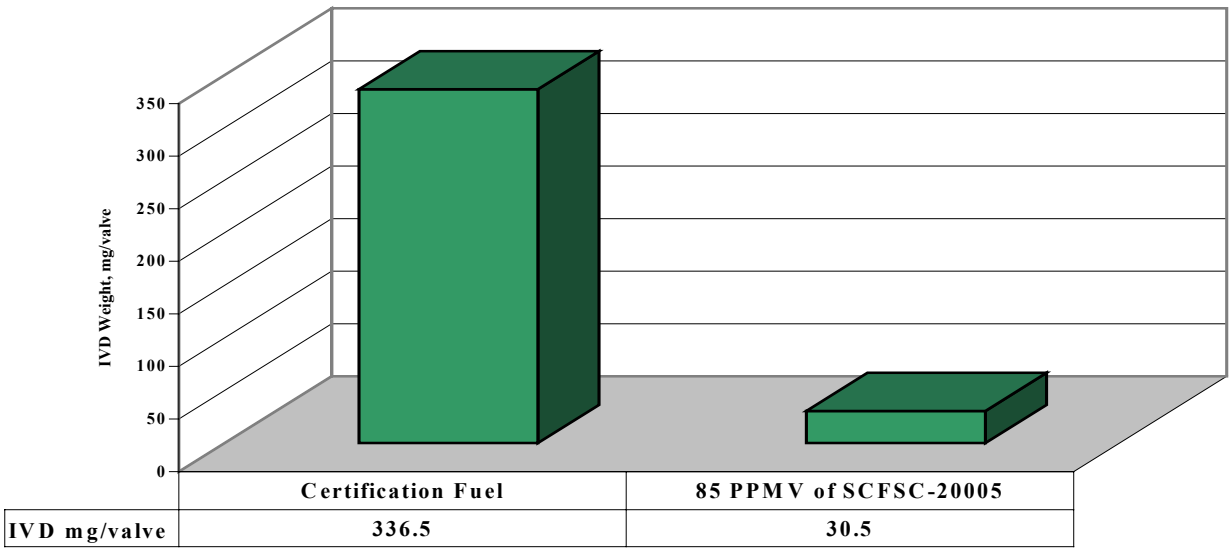
Part No. 20005, 20000, & 20001

MULTI-PURPOSE GASOLINE DETERGENT/INHIBITOR

IVD CONTROL – BMW 318i KEEP CLEAN

Testing has been performed using the industry standard ASTM D5500 test procedure, which is commonly used for the evaluation of intake valve deposit formation. This method uses a 1985 BMW 318i, driven in a driving pattern comprising 10% city, 20% urban and 70% highway driving for 10,000 miles.

EPA 65th Percentile Fuel + EtOH		
Parameter	**Actual**	**Requirement**
Base Fuel Olefins, % v/v	18.3	≥11.4
Base Fuel Aromatics, % v/v	44.4	≥31.1
Base Fuel Sulfur, ppm, w/w	407	≥340
Base Fuel T90, °F	356.5	≥339
Base Fuel IVD, mg/valve	336.5	≥290
Oxygenate, (EtOH), % v/v	10	≥10



EPA Final Rule
<100 mg/valve

- **SCFSC-20005 EXHIBITS GOOD INTAKE VALVE DETERGENCY AND MEETS EPA COMPLIANCE PERFORMANCE CRITERIA.**

SUPER CONCENTRATE FUEL SYSTEM CLEANER

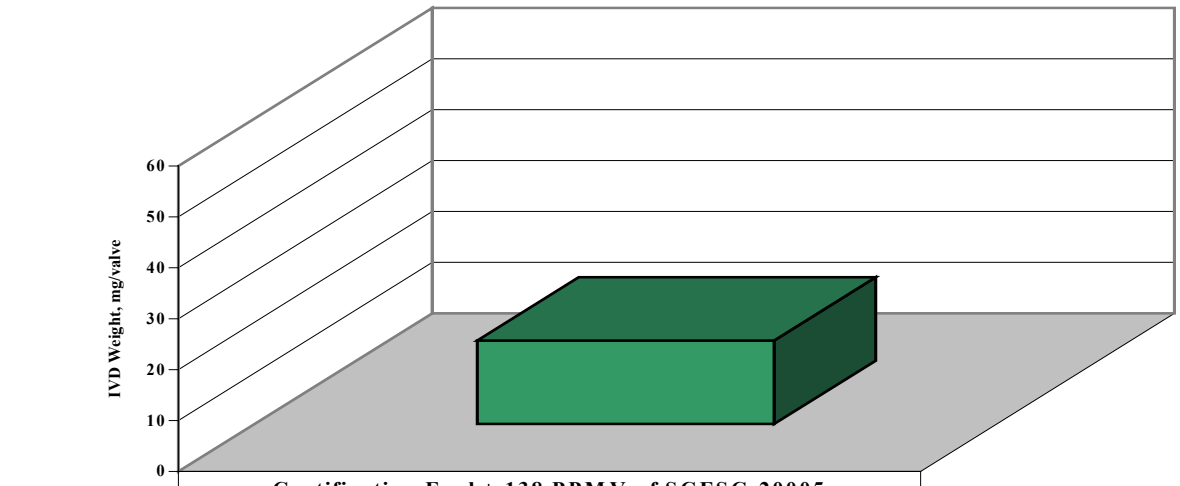
Part No. 20005, 20000, & 20001

MULTI-PURPOSE GASOLINE DETERGENT/INHIBITOR

IVD CONTROL – BMW 318i KEEP CLEAN: CARB DCA CERTIFICATION FUEL

Testing has been performed in the industry standard ASTM D5500 test procedure, which is commonly used for the evaluation of intake valve deposit formation. This method uses a 1985 BMW 318i, driven in a driving pattern comprising 10% city, 20% urban and 70% highway driving for 10,000 miles. Test fuel used met the CARB DCA Certification Fuel requirement and is described below.

CaRFG3 Certification Fuel		
Parameter	**Actual**	**Requirement**
Base Fuel Olefins, % v/v	9.3	≥8.0
Base Fuel Aromatics, % v/v	29.5	≥24.0
Base Fuel Sulfur, ppm, w/w	98	≥64
Base Fuel T90, °F	326.6	≥290
Oxygenate, (EtOH), % v/v	10	≥8



CARB Requirements <50 mg/valve

- **SCFSC-20005 EXHIBITS GOOD IVD DETERGENCY AND MEETS CARB PHASE 3 GASOLINE DEPOSIT CONTROL ADDITIVE IVD REGULATIONS AT 138 PPMV.**

SUPER CONCENTRATE FUEL SYSTEM CLEANER

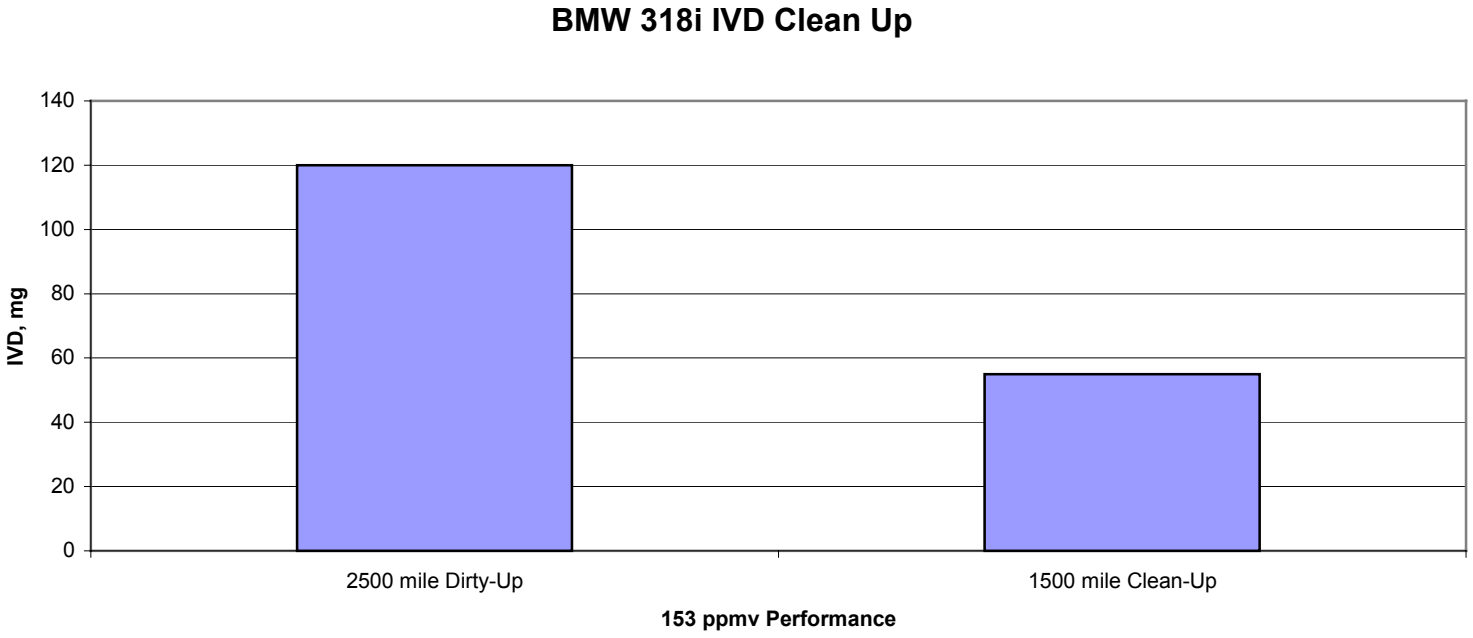
Part No. 20005, 20000, & 20001

MULTI-PURPOSE GASOLINE DETERGENT/INHIBITOR

IVD DETERGENCY CLEAN UP

The clean up performance of SCFSC-20005 at a concentration of 153 ppmv has been evaluated using a modified ASTM D5500 test method. The testing comprises a deposit build up cycle of 2,500 miles followed by a 1,500 mile clean up. The fuel was treated with SCFSC-20005 for the second cycle.

Test Fuel Parameters Clean Up	
Aromatics, vol%	33.8
Olefins, vol%	7.3
Saturates, vol%	59.0
Oxygenate, wt%	0.0
Sulfur, ppm wt.	212
T90, ^{o}F	353.5



AT 153 PPMV SCFSC-20005 OFFERS THE FOLLOWING BENEFITS:

- **Intake Valve Deposit clean up**
- **Improved fuel economy**
- **Reduced exhaust emissions**
- **Reduced fuel system maintenance and emissions control equipment**
- **Prevents drivability deterioration (rough idling, stalling and surging)**

SUPER CONCENTRATE FUEL SYSTEM CLEANER

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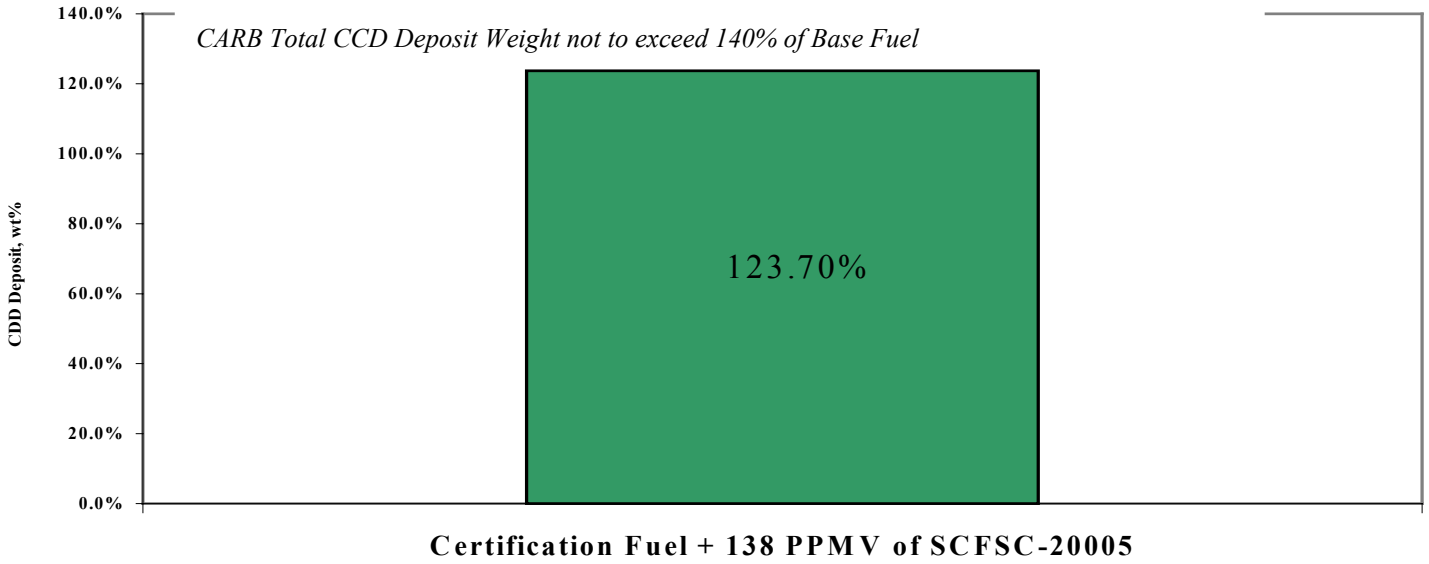
MULTI-PURPOSE GASOLINE DETERGENT/INHIBITOR

No Harm Testing – CCD Control BMW 318i

Combustion chamber deposits were measured in the BMW 318i engine dynamometer according to the CARB protocols. SCFSC-20005 controls CCD levels in the BMW 318i below those proposed by the California Air Resources Board. CARB requires that the use of a gasoline additive should not result in more than an average 1300 mg total CCD deposit weight. Alternatively, the total deposit weight should not result in more than 140% of the total deposit weight of the base fuel. SCFSC-20005 meets the CCD criteria.

CaRFG3 Certification		
Parameter	**Actual**	**Requirement**
Olefins, % v/v	9.3	≥8.0
Aromatics, % v/v	29.5	≥24.0
Sulfur, ppm, w/w	98	≥64
T90, °F	326.6	≥290
Oxygenate, (EtOH), % v/v	10	≥8



- **SCFSC-20005 EXHIBITS GOOD COMBUSTION CHAMBER DETERGENCY AND MEETS CARB GASOLINE DEPOSIT CONTROL ADDITIVE CCD REGULATIONS AT 138 PPMV**

SUPER CONCENTRATE FUEL SYSTEM CLEANER

Part No. 20005, 20000, & 20001

MULTI-PURPOSE GASOLINE DETERGENT/INHIBITOR

NO HARM TESTING

GM 5.7L Valve Stick Engine Test

Testing performed using a GM 5.7L V8 demonstrates that SCFSC-20005, at a treat rate of 722 ppmv, will not cause intake valve sticking. The test cycle involves 3-4 days of a daily accumulation of 85 miles at 60 mph followed by a 16hr cold soak at -4°F (-20°C). The compression of each cylinder is measured daily and compared to a base fuel reading.

- **SCFSC-20005 causes no valve sticking at a soak temperature of -4°F (-20°C).**

Corrosion Protection

SCFSC-20005 will protect against corrosion at a treat rate of 85 ppmv.

FUEL	NACE TM-01-72 BILLET RATING
Base fuel	E
SCFSC-20005	C