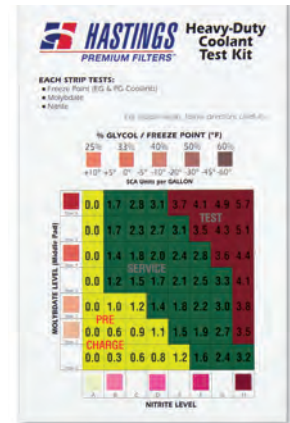


# Recommended Service Per Test Results

Testing on Caterpillar, Cummins and Detroit Diesel Only

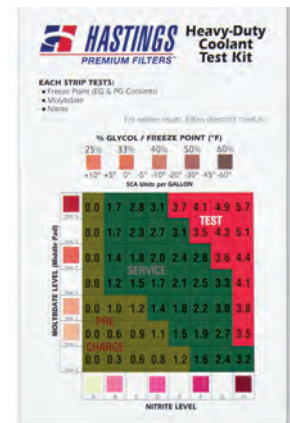
## Pre-Charge Recommendations (Yellow area on chart)

Test	Recommended Service	See Chart on back side
0.0	Pre-Charge System Depending on System, use 4 Pints BTE or BTA PLUS and Filter	
0.3	Pre-Charge System Depending on System, use 3 Pints BTE or BTA PLUS and Filter	
0.6	Pre-Charge System Depending on System, use 2 Pints BTE or BTA PLUS and Filter	
0.8	Pre-Charge System Change Filter and Add 1 Pint of BTE or BTA PLUS or 2 Pints for System Without Filter	
0.9	Pre-Charge System Change Filter and Add 1 Pint of BTE or BTA PLUS or 2 Pints for System Without Filter	
1.0	Pre-Charge System Depending on System, use 2 Pints BTE or BTA PLUS and Filter	
1.1	Pre-Charge System Change Filter and Add 1 Pint of BTE or BTA PLUS or 2 Pints for System Without Filter	



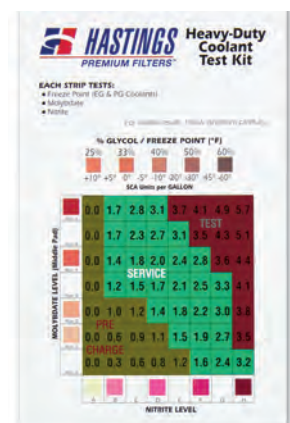
## Test Recommendations (Red area on chart)

Test	Recommended Service
3.1	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
3.2	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
3.3	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
3.5	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
3.6	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
3.7	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
3.8	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
4.1	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
4.3	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
4.4	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
4.9	Change Filter to WC8, Do Not Add Additive, Retest Next Service Interval
5.1	Drain and flush system, pre-charge system as recommended in tables on reverse side according to cooling system size.
5.7	Drain and flush system, pre-charge system as recommended in tables on reverse side according to cooling system size.



## Service Recommendations (Green area on chart)

Test	Recommended Service
1.2	Change Filter or Add 1 Pint of BTE or BTA PLUS
1.4	Change Filter or Add 1 Pint of BTE or BTA PLUS
1.5	Change Filter or Add 1 Pint of BTE or BTA PLUS
1.6	Change Filter or Add 1 Pint of BTE or BTA PLUS
1.7	Change Filter or Add 1 Pint of BTE or BTA PLUS
1.8	Change Filter or Add 1 Pint of BTE or BTA PLUS
1.9	Change Filter or Add 1 Pint of BTE or BTA PLUS
2.0	Change Filter or Add 1 Pint of BTE or BTA PLUS
2.1	Change Filter or Add 1 Pint of BTE or BTA PLUS
2.2	Change Filter or Add 1 Pint of BTE or BTA PLUS
2.3	Change Filter or Add 1 Pint of BTE or BTA PLUS
2.4	Change Filter or Add 1 Pint of BTE or BTA PLUS
2.5	Change Filter or Add 1 Pint of BTE or BTA PLUS
2.7	Change Filter or Add 1 Pint of BTE or BTA PLUS
2.8	Change Filter or Add 1 Pint of BTE or BTA PLUS
3.0	Change Filter or Add 1 Pint of BTE or BTA PLUS



1 pint is equal to (1) WC16 or (1) WC6 filter. WC8 is a coolant filter with no additives.

## Systems Using BTE

Size of Cooling System in U.S. Gallons	System Pre-Charge <sup>+</sup>	Maintenance Filter 12,000-15,000 Miles or 300-350 Hours (Units of BTE)
1-10	10 Units of BTE*	WC2 (2)**
11-20	20 Units of BTE*	WC6 (4)**
21-30	30 Units of BTE*	WC9 (6)**
31-40	40 Units of BTE*	WC10 (8)**
41-50	44 Units of BTE*	BW5143 (11)**
51-60	64 Units of BTE*	WC4 (16)**

<sup>+</sup> Any combination of coolant filters and liquid BTE may be used to achieve the proper number of units to treat your system. All filters listed have an 11/16"-16 thread and fit KF53 Coolant Filter Base.

\* Add 1 pint (4 units) of BTE for every 4 gallons of cooling system capacity for pre-charge the system.

\*\* Add 1 pint (4 units) of BTE for every 20 gallons of cooling system capacity for 12,000-15,000 miles or 300-350 hours of maintenance.

## Systems Using BTA PLUS

Size of Cooling System in U.S. Gallons	System Pre-Charge <sup>+</sup>	Maintenance Filter 12,000-15,000 Miles or 300-350 Hours (Units of BTA PLUS)
1-6	10 Units of BTA PLUS*	WC15 (2)**
7-16	18-24 Units of BTA PLUS*	WC12, WC16 (4)**
17-21	34 Units of BTA PLUS*	WC17 (6)**
22-32	52 Units of BTA PLUS*	WC18 (8)**
33-43	72 Units of BTA PLUS*	WC7 (12)**
44-51	87 Units of BTA PLUS*	WC19 (15)**
52-70	103 Units of BTA PLUS*	WC20 (23)**

<sup>+</sup> Any combination of coolant filters and liquid BTA PLUS may be used to achieve the proper number of units to treat your system. All filters listed have an 11/16"-16 thread and fit KF53 Coolant Filter Base.

\* Add 1.25+ Units of BTA PLUS for every gallon of cooling system capacity to pre-charge the system.

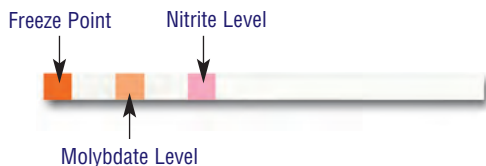
\*\* Add 1.25 Units of BTA PLUS for every 4 gallons of cooling system capacity for 12,000-15,000 miles or 300-350 hours of maintenance.



Engine Liner Pitting

## Test Strip

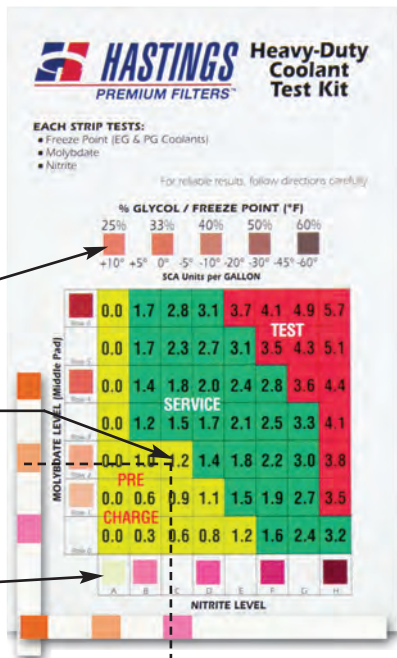
Three test pads provide one-step readings.



Match the Freeze Point color change to this chart area for easy verification of protection level.

Determine where the two concentrations intersect and read the protection level. Treatment instructions are included with test kits.

Note: Use Row "0" to match Nitrite-Borate formulas.



## Treatment Instructions

**(Yellow)** - Replace service filter and add 1 pint of SCA liquid per 4 gallons of coolant.

**(Green)** - Continue to replace service coolant filter at each drain interval. (1 pt liquid/16 gallons)

**(Red)** - Do not replace service filter. Use filter without chemical until SCA level falls into green area of chart. Test at every oil change interval.

**NOTE:** Do not use chart shown here for FleetStrip comparison. Use chart provided with the test kit. Do not use Hastings test kits on Extended Life Coolant (ELC).



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