



3-Way™ Coolant Test Strips

Instructions



Pre-Test Instructions

Recommended Testing Frequency - At every lube service.

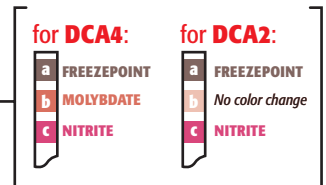
- Collect coolant sample from the radiator or petcock. **DO NOT collect from the coolant recovery or overflow system.** Coolant must be between 50°F and 130°F when tested. Room temperature is best.
- For accurate results—test must be completed within 75 seconds. Follow recommended test times. Use a stopwatch.
- Record and track results.

Test Instructions

- Remove one strip from bottle and replace cap immediately. **DO NOT touch the pads on the end of the strip. DISCARD KIT** if Nitrite test pads of unused strips have turned brown.

- Dip strip for **1 SECOND** in coolant sample, remove, and *shake strip briskly* to remove excess liquid.

- 45 SECONDS** after dipping strip, compare results to color chart and record in the following order:

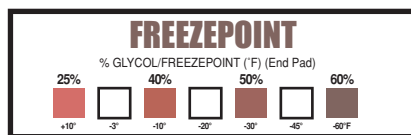
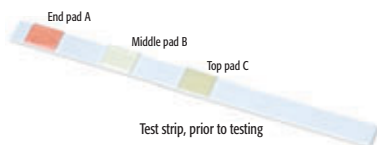
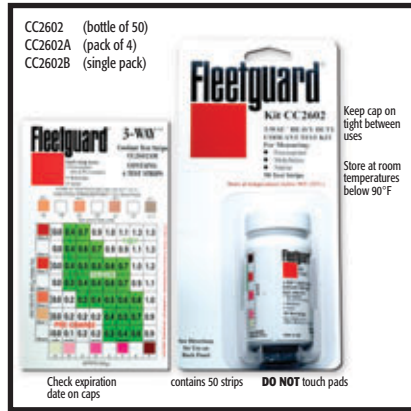


- All three readings must be completed **NO LATER THAN 75 SECONDS** after dipping strip.

- If uncertain about the color match, pick the **LOWER** numbered block (ex.: if nitrite color is not F, use column E).

- The amount of coolant additive units per gallon in the cooling system is given where the following occurs:

for **DCA4**: the **MOLYBDATE** level intersects the **NITRITE** level
for **SCA**: the **NITRITE** column intersects Row 0



		SCA UNITS PER GALLON							
		0.0	1.7	2.8	3.1	3.7	4.1	4.9	5.7
MOLYBDATE	Row 6	0.0	1.7	2.8	3.1	3.7	4.1	4.9	5.7
	Row 5	0.0	1.7	2.3	2.7	3.1	3.5	4.3	5.1
	Row 4	0.0	1.4	1.8	2.0	2.4	2.8	3.6	4.4
	Row 3	0.0	1.2	1.5	1.7	2.1	2.5	3.3	4.1
	Row 2	0.0	1.0	1.2	1.4	1.7	2.2	3.0	3.8
	Row 1	0.0	0.6	0.9	1.1	1.5	1.9	2.7	3.5
Row 0		0.0	0.3	0.6	0.8	1.2	1.6	2.4	3.2
		A	B	C	D	E	F	G	H
		NITRITE							

Maintenance Actions Based on Results

0.0	1.7	2.8	3.1	3.7	4.1	4.9	5.7
0.0	1.7	2.3	2.7	3.1	3.5	4.3	5.1
0.0	1.4	1.8	2.0	2.4	2.8	3.6	4.4
0.0	1.2	1.5	1.7	2.1	2.5	3.3	4.1
0.0	1.0	1.2	1.4	1.8	2.2	3.0	3.8
0.0	0.6	0.9	1.1	1.5	1.9	2.7	3.5
0.0	0.3	0.6	0.8	1.2	1.6	2.4	3.2
0 PPM	300 PPM	600 PPM	900 PPM	1200 PPM	1500 PPM	2000 PPM	3000 PPM

- ABOVE NORMAL** Replace the coolant filter with a non-charged filter until the additive concentration falls below 3 units per gallon when tested at every subsequent oil drain interval.
- NORMAL** Continue to replace the coolant filter at your normal interval.
- BELOW NORMAL** Replace the coolant filter and add 1 pint of additive per each 4 gallons of coolant (equals 1.2 units per gallon).

COOLANT SYSTEM ADDITIVES		
DCA2	SIZE	DCA4
DCA30L	Pint	DCA60L
DCA35L	1/2 Gallon	DCA65L
DCA40L	Gallon	DCA70L
DCA45L	5 Gallon	DCA75L
DCA50L	55 Gallon	DCA80L

MAINTAINING A 50/50 COOLANT/WATER MIX

CHART FOR MAINTAINING A 50/50 ETHYLENE GLYCOL COOLANT

Over-Concentrated

FREEZE POINT DEG. F VS. PERCENT CONCENTRATE

SYSTEM CAPACITY	Under-Concentrated												Over-Concentrated											
	DRAIN COOLANT, ADD CONCENTRATE / GALLONS												DRAIN COOLANT, ADD WATER / GALLONS											
GALLON	+32F	+25F	+20F	+15F	+10F	+5F	-5F	-12F	-23F	-34F	-50F	-65F	-75F	-84F	-70F	-55F	-43F	-30F	-6F					
	0%	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	100%					
10	5	4	4	4	3	3	2	2	1	0	1	2	2	3	3	4	4	4	5	10				
12	6	5	5	5	4	3	3	2	1	0	1	2	3	3	4	5	5	5	6	12				
14	7	6	6	6	5	4	3	2	1	0	1	2	3	4	5	5	6	6	7	14				
16	8	7	7	6	5	5	4	3	1	0	1	3	4	5	5	6	7	7	8	16				
18	9	8	7	7	6	5	4	3	2	0	2	3	4	5	6	7	7	8	9	18				
20	10	9	8	8	7	6	5	3	2	0	2	3	5	6	7	8	8	9	10	20				

COOLANT FILTERS			
DCA2	DCA4	UNITS	APPLICATION
WF2107	WF2107	BLANK	Cummins/Universal
WF2050	WF2070	2	Cummins/Universal
WF2051	WF2071	4	Cummins/Universal
WF2052	WF2072	6	Cummins/Universal
WF2053	WF2073	8	Cummins/Universal
WF2067	WF2074	12	Cummins/Universal
WF2054	WF2075	15	Cummins/Universal
WF2055	WF2076	23	Cummins/Universal
WF2078	WF2078	BLANK	Mack
N/A	WF2083	4	Mack
N/A	WF2082	6	Mack
N/A	WF2015	8	Mack
N/A	WF2022	11	Mack
WF2109	WF2109	BLANK	Volvo
WF2096	N/A	4	Volvo
N/A	WF2108	8	Volvo
WF2131	WF2121	1yr	Nalcool NF2088



* Quik-Chek CC2607B will check coolant stability
 * Water-Chek CC2609 will check to see if your shop water meets TMC specs



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 fax 1-800-999-8664 or visit us at www.fleetguard.com