



3-Way™ Coolant Test Strips

Instructions



Pre-Test Instructions

Recommended Testing Frequency - At every lube service.

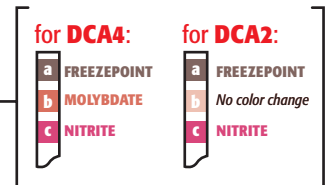
- Collect coolant sample from the radiator or petcock. **DO NOT collect from the coolant recovery or overflow system.** Coolant must be between 50°F and 130°F when tested. Room temperature is best.
- For accurate results—test must be completed within 75 seconds. Follow recommended test times. Use a stopwatch.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

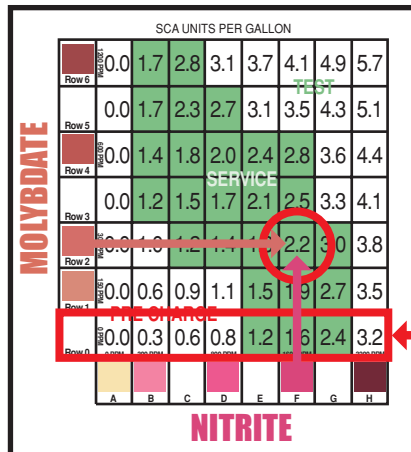
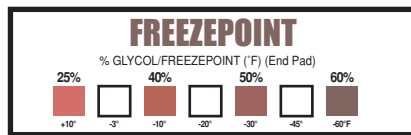
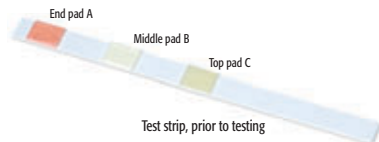
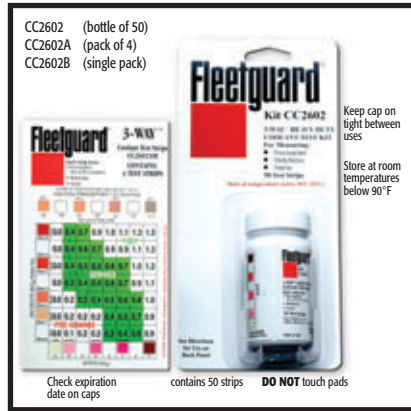
- 45 SECONDS** after dipping strip, compare results to color chart and record in the following order:
- All three readings must be completed **NO LATER THAN 75 SECONDS** after dipping strip.



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

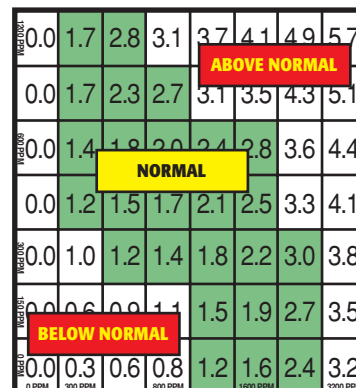
- The amount of coolant additive units per gallon in the cooling system is given where the following occurs:

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



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

Maintenance Actions Based on Results



- 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).

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		



AVAILABLE AT:

DieselManor, Inc.
www.DieselManor.com
sales@dieselmanor.com



* 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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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

Check Fleetguard Product Guide or web catalog at www.fleetguard.com
for full water filter coverage.

For more information, call our Customer Assistance Center at 1-800-22FILTER (1-800-223-4583)
fax 1-800-999-8664 or visit us at www.fleetguard.com