



## Service Coolant Usage Chart

Vehicle	Model Year(s)									
	Pre-1999	1999-2001	2002	2003	2004-2008	2009	2010	2011	2012	2013 and forward
Ford										
C-MAX Hybrid/Energi	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	O
Crown Victoria	G	GY	GY	GY (prior to 7/15/02)	Y	Y	Y	Y	N/A	N/A
				Y (from 7/15/02)						
Econoline (E-Series)	G	GY	GY (prior to 1/7/02)	Y	Y	Y	Y	Y	Y	Y
			Y (from 1/7/02)							
Edge	N/A	N/A	N/A	N/A	Y	Y (prior to 1/19/09)	DG	DG (prior to 7/11/11)	O	O
						DG (from 1/19/09)		O (from 7/11/11)		
Escape (including Hybrid)	N/A	GY	GY (prior to 7/15/02)	Y	Y	Y	Y	Y (prior to 11/16/10)	O	O
			Y (from 7/15/02)					O (from 11/16/10)		
Escort	G	GY	GY (prior to 7/15/02)	Y	N/A	N/A	N/A	N/A	N/A	N/A
			Y (from 7/15/02)							
Excursion	N/A	GY	Y	Y	Y	N/A	N/A	N/A	N/A	N/A
Expedition	G	GY	GY	GY (prior to 7/15/02)	Y	Y	Y (prior to 2/22/10)	O	O	O
				Y (from 7/15/02)			O (from 2/22/10)			
Explorer, Explorer Sport, and Explorer Sport Trac	G	GY	GY (prior to 7/15/02)	Y	Y	Y	Y	DG (prior to 7/11/11)	O	O
			Y (from 7/15/02)					O (from 7/11/11)		
F150 - F550 (Cuautillan Plant)	G	GY	GY (prior to 2/4/02)	Y	Y	Y	N/A	N/A	N/A	N/A
			Y (from 2/4/02)							
F250 - F550 (Kentucky Truck Plant)	G	GY	Y	Y	Y	Y	Y	O	O	O
F150 - F550 (All other plants)	G	GY	GY (prior to 7/15/02)	Y	Y	Y	Y	O	O	O
			Y (from 7/15/02)							
Fiesta	N/A	N/A	N/A	N/A	N/A	N/A	N/A	O	O	O
Flex	N/A	N/A	N/A	N/A	N/A	Y (prior to 1/19/09)	DG	DG	DG (prior to 7/11/11)	O
						DG (from 1/19/09)			O (from 7/11/11)	
Freestar	N/A	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A
Focus	N/A	GY	GY (prior to 7/15/02)	Y	Y	Y	Y	Y	O	O
			Y (from 7/15/02)							
Focus Electric	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	O	O
Fusion (including Hybrid and Energi)	N/A	N/A	N/A	N/A	Y	Y	Y (prior to 7/6/09)	DG	DG (prior to 8/15/11)	O
							DG (from 7/6/09)		O (from 8/15/11)	
Motorhome F-53 / F-59	G	GY	Y	Y	Y	Y	Y	Y	Y	Y
Mustang (including Cobra, Shelby GT500, Boss 302, etc.)	G	GY	GY (prior to 7/15/02)	Y	Y	Y	Y	O	O	O
			Y (from 7/15/02)							
Ranger	G	GY	GY (prior to 7/15/02)	Y	Y	Y	Y	Y	N/A	N/A
			Y (from 7/15/02)							
Ranger Electric	N/A	GY	GY	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Taurus	G	GY	GY (prior to 7/15/02)	Y	Y	Y (prior to 5/18/09)	DG	DG (prior to 7/11/11)	O	O
			Y (from 7/15/02)			DG (from 5/18/09)		O (from 7/11/11)		
Thunderbird	N/A	N/A	GY (prior to 7/15/02)	Y	Y	N/A	N/A	N/A	N/A	N/A
			Y (from 7/15/02)							
Transit Connect	N/A	N/A	N/A	N/A	N/A	N/A	O	O	O	O
Windstar	G	GY	GY	GY (prior to 7/15/02)	N/A	N/A	N/A	N/A	N/A	N/A
				Y (from 7/15/02)						
All other vehicles not otherwise noted	G	GY	N/A	N/A	Y	Y	N/A	N/A	N/A	O

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Quick Reference Charts

## Service Coolant Usage Chart

Vehicle	Model Year(s)									
	Pre-1999	1999-2001	2002	2003	2004-2008	2009	2010	2011	2012	2013 and forward
<b>Lincoln</b>										
Aviator	N/A	N/A	N/A	Y	Y	N/A	N/A	N/A	N/A	N/A
Blackwood	N/A	GY	GY (prior to 7/15/02) Y (from 7/15/02)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Continental	G	GY	GY (prior to 7/15/02) Y (from 7/15/02)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LS	N/A	GY	GY (prior to 7/15/02) Y (from 7/15/02)	Y	Y	N/A	N/A	N/A	N/A	N/A
MKS	N/A	N/A	N/A	N/A	N/A	Y (prior to 5/18/09) DG (from 5/18/09)	Y (prior to 5/18/09) DG (from 5/18/09)	DG (prior to 7/11/11) O (from 7/11/11)	O	O
MKT	N/A	N/A	N/A	N/A	N/A	N/A	DG	DG	DG (prior to 7/11/11) O (from 7/11/11)	O
MKX	N/A	N/A	N/A	N/A	Y	Y (prior to 1/19/09) DG (from 1/19/09)	DG	DG (prior to 7/11/11) O (from 7/11/11)	O	O
MKZ (including Hybrid)	N/A	N/A	N/A	N/A	Y	Y	Y (prior to 7/6/09) DG (from 7/6/09)	DG	DG (prior to 8/15/11) O (from 8/15/11)	O
Navigator	G	GY	GY	GY (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y (prior to 2/22/10) O (from 2/22/10)	O	O	O
Town Car	G	GY	GY	GY (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A
All other vehicles not otherwise noted	G	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	O
<b>Mercury</b>										
Cougar	G	O	O	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grand Marquis	G	GY	GY	GY (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A
Sable	G	GY	GY (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y (prior to 5/18/09) DG (from 5/18/09)	N/A	N/A	N/A	N/A
Marauder	N/A	N/A	N/A	GY (prior to 7/15/02) Y (from 7/15/02)	Y	N/A	N/A	N/A	N/A	N/A
Mariner	N/A	N/A	N/A	N/A	Y	Y	Y	Y (prior to 11/16/10) O (from 11/16/10)	N/A	N/A
Milan	N/A	N/A	N/A	N/A	Y	Y	Y (prior to 7/6/09) DG (from 7/6/09)	DG	N/A	N/A
Monterey	N/A	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A
Mountaineer	G	GY	GY (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A	N/A
All other vehicles not otherwise noted	G	GY	GY	N/A	Y	N/A	N/A	N/A	N/A	N/A

### Usage Notes:

**G** = Green-colored engine coolant meeting Ford specification ESE-M97B44-A (Motorcraft® Premium Antifreeze/Coolant)

**GY** = Factory-filled with green-colored engine coolant. Service as normal with green-colored engine coolant, or service with yellow-colored engine coolant with the following important conditions:

- I. If the green-colored engine coolant is thoroughly flushed out of the cooling system and then the system is filled with yellow-colored engine coolant, the service maintenance (change-out) intervals of the yellow-colored engine coolant can be followed.
- II. If the green-colored engine coolant is not completely flushed out of the cooling system (e.g., yellow-colored engine coolant is used to top off the system), then the service maintenance (change-out) intervals of the green-colored engine coolant must be followed.
- III. All pre-1999 vehicles, as well as all model years of Mercury Villager, must be serviced with the green-colored engine coolant.

**O** = Orange-colored engine coolant meeting Ford specification WSS-M97B44-D2 or WSS-M97B44-D (Motorcraft® Orange Antifreeze/Coolant Prediluted)

**Y** = Yellow-colored engine coolant meeting Ford specification WSS-M97B51-A1 (Motorcraft® Gold Antifreeze/Coolant)

**DG** = Dark green-colored engine coolant meeting Ford specification WSS-M97B55-A (Motorcraft® Specialty Green Engine Coolant)



## Motorcraft® Engine Cooling System Products Usage Information

Motorcraft® Engine Coolant Name	Motorcraft® Premium Antifreeze/ Coolant Prediluted (USA)	Motorcraft® Gold Antifreeze/ Coolant Prediluted	Motorcraft® Specialty Green Engine Coolant (Concentrated)	Motorcraft® Orange Antifreeze/ Coolant Prediluted
	Motorcraft® Premium Antifreeze/ Coolant Concentrated	Motorcraft® Gold Antifreeze/ Coolant Concentrated		Motorcraft® Orange Antifreeze/ Coolant Concentrated
Service Part Numbers	<b>Prediluted:</b> VC-5DIL and VC-5DIL-B (USA)	<b>Prediluted:</b> VC-7DIL-B and VC-7DIL-D (USA) CVC-7DIL-B2 and CVC-7DIL-BD (Canada)	VC-10-A2 (USA) CVC-10-A (Canada)	<b>Prediluted:</b> VC-3DIL-B and VC-3DIL-BD (USA) CVC-3DIL-B and CVC-3DIL-BD (Canada)
	<b>Concentrated:</b> VC-5 and VC-5-B (USA) CVC-5 (Canada)	<b>Concentrated:</b> VC-7-B and VC-7-D (USA) CVC-7-B2 (Canada)		<b>Concentrated:</b> VC-3-B (USA) CVC-3-B2 (Canada)
Ford Specification	ESE-M97B44-A	WSS-M97B51-A1	WSS-M97B55-A	<b>Prediluted:</b> WSS-M97B44-D2 (can also use when WSS-M97B44-D is specified) <b>Concentrated:</b> WSS-M97B44-D
<b>Use with the following products:</b>				
Acustrip® 3-Way HD Antifreeze Coolant Test Kit, Rotunda part numbers 328-2050-62291 and 328-20503R	Yes, but for use <i>only</i> with diesel engine-equipped vehicles	Yes, but for use <i>only</i> with diesel engine-equipped vehicles	No	Yes, but use <i>only</i> as recommended to check coolant for nitrite contamination
Antifreeze Coolant ELC Contamination Kit, Rotunda part number 328-R071-ELC	No	No	No	Yes, but for use <i>only</i> with the MY 2011 and forward diesel engine-equipped F-Series Super Duty and the MY 2015 and forward diesel engine-equipped Transit
VC-1 – Motorcraft® Premium Cooling System Flush	Yes	Yes	Yes	Yes
VC-8 – Motorcraft® Diesel Cooling System Additive	Yes, but use <i>only</i> in diesel engine-equipped vehicles. Use only as recommended.	Yes, but use <i>only</i> in diesel engine-equipped vehicles. Use only as recommended.	No	No
VC-9 – Motorcraft® Engine Cooling System Iron Cleaner (for industrial use only)	Yes, but use <i>only</i> when directed per the vehicle's Workshop Manual or a Technical Service Bulletin (TSB)	Yes, but use <i>only</i> when directed per the vehicle's Workshop Manual or a Technical Service Bulletin (TSB)	Yes, but use <i>only</i> when directed per the vehicle's Workshop Manual or a Technical Service Bulletin (TSB)	Yes, but use <i>only</i> when directed per the vehicle's Workshop Manual or a Technical Service Bulletin (TSB)
VC-12 – Motorcraft® Specialty Orange Engine Coolant Revitalizer	No	No	No	Yes, but use <i>only</i> in the MY 2011 and forward diesel engine-equipped F-Series Super Duty and the MY 2015 and forward diesel engine-equipped Transit. Use only as recommended.

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