

## Motorcraft® Engine Antifreeze/Coolants - Usage Chart (Model Years 2018 and forward)

Vehicle	Model Year	
	2018	2019
<b>FORD</b>		
C-MAX Hybrid/Energi	O	N/A
Econoline (E-Series)	O	O (prior to 7/16/18) DY (from 7/16/18)
EcoSport	O	O
Edge	O	O
Escape	O	O
Expedition	O (prior to 7/9/18) DY (from 7/9/18)	DY
Explorer	O	O
F-150 (including Raptor)	O	O (prior to 1/1/19) DY (from 1/1/19)
F-250 - F-550	O (prior to 7/9/18) DY (from 7/9/18)	O (prior to 7/9/18) DY (from 7/9/18)
F-650 - F-750	O	O (prior to 7/16/18) DY (from 7/16/18)
Fiesta	O	O
Flex	O	O
Focus	O	N/A
Focus Electric	O	N/A
Fusion (including Hybrid and Energi)	O	O
GT	O	O
Motorhome F-53 / F-59	O	O (prior to 7/5/19) DY (from 7/5/19)
Mustang (including Shelby GT350)	O	O
Ranger	N/A	O
Taurus	O	O
Transit	O	O (prior to 1/1/19) DY (from 1/1/19)
Transit Connect	O	O
All other vehicles not otherwise noted	O	O
<b>LINCOLN</b>		
Continental	O	O
MKC	O	O
MKT	O	O
MKX	O	N/A
MKZ (including Hybrid)	O	O
Nautilus	N/A	O
Navigator	O (prior to 7/9/18) DY (from 7/9/18)	DY

### Notes:

The engine antifreeze/coolant usage noted in the chart above applies to all engine types (e.g., gasoline and diesel) available for a particular vehicle.

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

DY = Yellow-colored engine coolant approved to Ford specification WSS-M97B57-A1 or WSS-M97B57-A2 (Motorcraft® Yellow Antifreeze/Coolant)

## Motorcraft® Engine Antifreeze/Coolants - Usage Chart (Model Years prior to 2018)

Vehicle	Model Year(s)									
	Pre-1999	1999-2001	2002	2003	2004-2008	2009	2010	2011	2012	2013-2017
<b>FORD</b>										
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	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A
Econoline (E-Series)	G	G	G (prior to 1/7/02) Y (from 1/7/02)	Y	Y	Y	Y	Y	Y	Y (2013 - 2016 and 2017 prior to 6/24/16) O (2017 from 7/11/16)
Edge	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
Escape (including Hybrid)	N/A	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	Y (prior to 11/16/10) O (from 11/16/10)	O	O
Escort	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	N/A	N/A	N/A	N/A	N/A	N/A
Excursion	N/A	G	Y	Y	Y	N/A	N/A	N/A	N/A	N/A
Expedition	G	G	G	G (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
Explorer, Explorer Sport, and Explorer Sport Trac	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	DG (prior to 7/11/11) O (from 7/11/11)	O	O
F-150 - F-550 (Cuautitlan Plant)	G	G	G (prior to 2/4/02) Y (from 2/4/02)	Y	Y	Y	N/A	N/A	N/A	N/A
F-250 - F-550 (Kentucky Truck Plant)	G	G	Y	Y	Y	Y	Y	O	O	O
F-150 - F-550 (All other plants)	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	O	O	O
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 (from 1/19/09)	DG	DG	DG (prior to 7/11/11) O (from 7/11/11)	O
Freestar	N/A	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A
Focus (including RS)	N/A	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	Y	O	O
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 (from 7/6/09)	DG	DG (prior to 8/15/11) O (from 8/15/11)	O
Motorhome F-53 / F-59	G	G	Y	Y	Y	Y	Y	Y	Y	Y (2013 - 2014) O (2015 - 2017)
Mustang (including Cobra, Shelby GT500, Boss 302, etc.)	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	O	O	O
Ranger	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	Y	N/A	N/A
Ranger Electric	N/A	G	G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Taurus	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y (prior to 5/18/09) DG (from 5/18/09)	DG	DG (prior to 7/11/11) O (from 7/11/11)	O	O
Thunderbird	N/A	N/A	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	N/A	N/A	N/A	N/A	N/A
Transit Connect	N/A	N/A	N/A	N/A	N/A	N/A	O	O	O	O
Windstar	G	G	G	G (prior to 7/15/02) Y (from 7/15/02)	N/A	N/A	N/A	N/A	N/A	N/A
All other vehicles not otherwise noted	G	G	N/A	N/A	Y	Y	N/A	N/A	N/A	O

## Motorcraft® Engine Antifreeze/Coolants - Usage Chart (Model Years prior to 2018)

Vehicle	Model Year(s)									
	Pre-1999	1999-2001	2002	2003	2004-2008	2009	2010	2011	2012	2013-2017
<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	N/A	G (prior to 7/15/02) Y (from 7/15/02)	Y	N/A	N/A	N/A	N/A	N/A	N/A
Continental	G	G	G (prior to 7/15/02) Y (from 7/15/02)	N/A	N/A	N/A	N/A	N/A	N/A	O
LS	N/A	G	G (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	G	G	G (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	G	G	G (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	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A
Marauder	N/A	N/A	N/A	G (prior to 7/15/02) Y (from 7/15/02)	Y	N/A	N/A	N/A	N/A	N/A
Mariner (including Hybrid)	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 (including Hybrid)	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	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A	N/A
Sable	G	G	G (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
All other vehicles not otherwise noted	G	G	G	N/A	Y	N/A	N/A	N/A	N/A	N/A

### Notes:

The engine antifreeze/coolant usage noted in the chart above applies to all engine types (e.g., gasoline and diesel) available for a particular vehicle.

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

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

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

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



## Motorcraft® Engine Cooling System Products - Usage Information

Motorcraft® Engine Coolant Name	Motorcraft® Premium Prediluted Antifreeze/Coolant (USA)	Motorcraft® Gold Prediluted Antifreeze/Coolant	Motorcraft® Specialty Green Engine Coolant (Concentrated)	Motorcraft® Orange Prediluted Antifreeze/Coolant	Motorcraft® Yellow Prediluted Antifreeze/Coolant
	Motorcraft® Premium Concentrated Antifreeze/Coolant	Motorcraft® Gold Concentrated Antifreeze/Coolant		Motorcraft® Orange Concentrated Antifreeze/Coolant	Motorcraft® Yellow Concentrated Antifreeze/Coolant
Service Part Numbers	<b>Prediluted:</b> VC-5DIL and VC-5DIL-B (USA)  <b>Concentrated:</b> VC-5 (USA) CVC-5 (Canada)	<b>Prediluted:</b> VC-7DIL-B and VC-7DIL-D (USA) CVC-7DIL-B2 (Canada)  <b>Concentrated:</b> VC-7-B and VC-7-D (USA) CVC-7-B2 (Canada)	VC-10-A2 (USA) / CVC-10-A (Canada)	<b>Prediluted:</b> VC-3DIL-B and VC-3DIL-BD (USA) CVC-3DIL-B (Canada)  <b>Concentrated:</b> VC-3-B and VC-3-D (USA) CVC-3-B2 (Canada)	<b>Prediluted:</b> VC-13DL-G (USA) CVC-13DL-G and CVC-13DL-P (Canada)  <b>Concentrated:</b> VC-13-G (USA) CVC-13-G and CVC-13-P (Canada)
Ford Specification	ESE-M97B44-A	WSS-M97B51-A1	WSS-M97B55-A	<b>Prediluted:</b> WSS-M97B44-D2 <b>Concentrated:</b> WSS-M97B44-D	<b>Prediluted:</b> WSS-M97B57-A2 <b>Concentrated:</b> WSS-M97B57-A1
<b>Use with the following products:</b>					
<b>Acustrip® 3-Way HD Antifreeze Coolant Test Kit, Rotunda part numbers 328-2050-62291 and 328-20503R</b>	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	Yes, but use <i>only</i> as recommended to check coolant for nitrite contamination
<b>Antifreeze Coolant ELC Contamination Kit, Rotunda part number 328-R071-ELC</b>	No	No	No	Yes, but for use <i>only</i> with the following vehicles: * 2011 - 2019 (built prior to 7/9/18) diesel engine-equipped F-Series Super Duty * 2016 - 2019 (built prior to 7/16/18) diesel engine-equipped F-650 and F-750	No
<b>VC-1 - Motorcraft® Premium Cooling System Flush</b>	Yes	Yes	Yes	Yes	Yes
<b>VC-8 - Motorcraft® Diesel Cooling System Additive</b>	Yes, but use <i>only</i> in diesel engine-equipped vehicles. Use <i>only</i> as recommended.	Yes, but use <i>only</i> in diesel engine-equipped vehicles. Use <i>only</i> as recommended.	No	No	No
<b>VC-9 - Motorcraft® Engine Cooling System Iron Cleaner (for industrial use only)</b>	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)	Yes, but use <i>only</i> when directed per the vehicle's Workshop Manual or a Technical Service Bulletin (TSB)
<b>VC-12 - Motorcraft® Specialty Orange Engine Coolant Revitalizer</b>	No	No	No	Yes, but for use <i>only</i> with the following vehicles: * 2011 - 2019 (built prior to 7/9/18) diesel engine-equipped F-Series Super Duty * 2016 - 2019 (built prior to 7/16/18) diesel engine-equipped F-650 and F-750  Use <i>only</i> as recommended	No

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