

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

| Vehicle | Model Year | | |
|--|--|--|--|
| | 2018 | 2019 | 2020 and forward |
| FORD | | | |
| Bronco / Bronco Sport | N/A | N/A | DY |
| C-MAX Hybrid | DY / O | N/A | N/A |
| Econoline (E-Series) | DY / O | DY / O (prior to 7/16/18) DY (from 7/16/18) | DY |
| EcoSport | DY / O | DY / O | DY / O |
| Edge | DY / O | DY / O (prior to 7/8/19) DY (from 7/8/19) | DY |
| Escape (including Hybrid) | DY / O | DY / O | DY / O (prior to 1/2/20) DY (from 1/2/20) |
| Expedition | DY / O (prior to 7/9/18) DY (from 7/9/18) | DY | DY |
| Explorer (including Hybrid) | DY / O | DY / O | DY |
| F-150 (including Hybrid and Raptor) | DY / O | DY / O (prior to 1/1/19) DY (from 1/1/19) | DY |
| F-250 - F-550 | DY / O (prior to 7/9/18) DY (from 7/9/18) | DY / O (prior to 7/9/18) DY (from 7/9/18) | DY |
| F-650 - F-750 | DY / O | DY / O (prior to 7/16/18) DY (from 7/16/18) | DY |
| Fiesta | DY / O | DY / O | N/A |
| Flex | DY / O | DY / O (prior to 7/8/19) DY (from 7/8/19) | N/A |
| Focus / Focus Electric | DY / O | N/A | N/A |
| Fusion (including Hybrid) | DY / O | DY / O | DY / O (prior to 1/6/20) DY (from 1/6/20) |
| GT | DY / O | DY / O | DY / O (prior to 2/20/20) DY (from 2/20/20) |
| Motorhome F-53 / F-59 | DY / O | DY / O | DY |
| Mustang (including Mach-E, Shelby GT350 and Shelby GT 500) | DY / O | DY / O | DY / O (prior to 1/2/20) DY (from 1/2/20) |
| Ranger | N/A | DY / O (prior to 7/8/19) DY (from 7/8/19) | DY |
| Taurus | DY / O | DY / O | N/A |
| Transit | DY / O | DY / O (prior to 1/1/19) DY (from 1/1/19) | DY |
| Transit Connect | DY / O | DY / O | DY / O |
| All other vehicles not otherwise noted | N/A | N/A | DY |
| LINCOLN | | | |
| Aviator (including Hybrid) | N/A | N/A | DY |
| Continental | DY / O | DY / O | DY / O (prior to 1/2/20) DY (from 1/2/20) |
| Corsair (including Hybrid) | N/A | N/A | DY / O (prior to 1/2/20) DY (from 1/2/20) |
| MKC | DY / O | DY / O | N/A |
| MKT | DY / O | DY / O (prior to 7/8/19) DY (from 7/8/19) | N/A |
| MKX | DY / O | N/A | N/A |
| MKZ (including Hybrid) | DY / O | DY / O | DY / O (prior to 1/6/20) DY (from 1/6/20) |
| Nautilus | N/A | DY / O (prior to 7/8/19) DY (from 7/8/19) | DY |
| Navigator | DY / O (prior to 7/9/18) DY (from 7/9/18) | DY | DY |
| All other vehicles not otherwise noted | N/A | N/A | 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.

DY / O = Either yellow-colored engine coolant approved to Ford specification WSS-M97B57-A1 or WSS-M97B57-A2 (Motorcraft® Yellow Antifreeze/Coolant), orange-colored engine coolant approved to Ford specification WSS-M97B44-D or WSS-M97B44-D2 (Motorcraft® Orange Antifreeze/Coolant), or a combination of both engine coolants

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

For more service information on using Motorcraft® Yellow Antifreeze/Coolant with/in place of Motorcraft® Orange Antifreeze/Coolant, please visit <https://www.fcsdchemicalsandlubricants.com>.

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**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 |
| FORD | | | | | | | | | | |
| C-MAX Hybrid | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | DY / 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) DY / O (2017 from 7/11/16) |
| Edge | N/A | N/A | N/A | N/A | Y | Y (prior to 1/19/09) DY / DG (from 1/19/09) | DY / DG | DY / DG (prior to 7/11/11) DY / O (from 7/11/11) | DY / O | DY / 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) DY / O (from 11/16/10) | DY / O | DY / 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) DY / O (from 2/22/10) | DY / O | DY / O | DY / 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 | DY / DG (prior to 7/11/11) DY / O (from 7/11/11) | DY / O | DY / O |
| F-150 - F-550 (Cuautilan 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 | DY / O | DY / O | DY / 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 | DY / O | DY / O | DY / O |
| Fiesta | N/A | N/A | N/A | N/A | N/A | N/A | N/A | DY / O | DY / O | DY / O |
| Flex | N/A | N/A | N/A | N/A | N/A | Y (prior to 1/19/09) DY / DG (from 1/19/09) | DY / DG | DY / DG | DY / DG (prior to 7/11/11) DY / O (from 7/11/11) | DY / 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 | DY / O | DY / O |
| Focus Electric | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | DY / O | DY / O |
| Fusion (including Hybrid) | N/A | N/A | N/A | N/A | Y | Y | Y (prior to 7/6/09) DY / DG (from 7/6/09) | DY / DG | DY / DG (prior to 8/15/11) DY / O (from 8/15/11) | DY / O |
| Motorhome F-53 / F-59 | G | G | Y | Y | Y | Y | Y | Y | Y | Y (2013 - 2014) DY / 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 | DY / O | DY / O | DY / 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) DY / DG (from 5/18/09) | DY / DG | DY / DG (prior to 7/11/11) DY / O (from 7/11/11) | DY / O | DY / 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 | DY / O | DY / O | DY / O | DY / 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 | DY / 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 |
| LINCOLN | | | | | | | | | | |
| 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 | DY / O (2017) |
| 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) DY / DG (from 5/18/09) | Y (prior to 5/18/09) DY / DG (from 5/18/09) | DY / DG (prior to 7/11/11) DY / O (from 7/11/11) | DY / O | DY / O |
| MKT | N/A | N/A | N/A | N/A | N/A | N/A | DY / DG | DY / DG | DY / DG (prior to 7/11/11) DY / O (from 7/11/11) | DY / O |
| MKX | N/A | N/A | N/A | N/A | Y | Y (prior to 1/19/09) DY / DG (from 1/19/09) | DY / DG | DY / DG (prior to 7/11/11) DY / O (from 7/11/11) | DY / O | DY / O |
| MKZ (including Hybrid) | N/A | N/A | N/A | N/A | Y | Y | Y (prior to 7/6/09) DY / DG (from 7/6/09) | DY / DG | DY / DG (prior to 8/15/11) DY / O (from 8/15/11) | DY / O |
| Navigator | G | G | G | G (prior to 7/15/02) Y (from 7/15/02) | Y | Y | Y (prior to 2/22/10) DY / O (from 2/22/10) | DY / O | DY / O | DY / 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 | DY / O |
| MERCURY | | | | | | | | | | |
| Cougar | G | DY / O | DY / 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) DY / 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) DY / DG (from 7/6/09) | DY / 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) DY / 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)

DY / O = Either yellow-colored engine coolant approved to Ford specification WSS-M97B57-A1 or WSS-M97B57-A2 (Motorcraft® Yellow Antifreeze/Coolant), orange-colored engine coolant approved to Ford specification WSS-M97B44-D or WSS-M97B44-D2 (Motorcraft® Orange Antifreeze/Coolant), or a combination of both engine coolants

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

DY / DG = Either yellow-colored engine coolant approved to Ford specification WSS-M97B57-A1 or WSS-M97B57-A2 (Motorcraft® Yellow Antifreeze/Coolant), dark green-colored engine coolant approved to Ford specification WSS-M97B55-A (Motorcraft® Specialty Green Engine Coolant), or a combination of both engine coolants

For more service information on using Motorcraft® Yellow Antifreeze/Coolant with/in place of Motorcraft® Orange Antifreeze/Coolant and Motorcraft® Specialty Green Engine Coolant, please visit <https://www.fcsdchemicalsandlubricants.com>.



Motorcraft® Engine Cooling System Products - Usage Information

| | Motorcraft® Premium Prediluted Antifreeze/Coolant (USA) | Motorcraft® Gold Prediluted Antifreeze/Coolant | Motorcraft® Yellow Prediluted Antifreeze/Coolant |
|---|--|---|---|
| Motorcraft® Engine Coolant Name | Motorcraft® Premium Concentrated Antifreeze/Coolant | Motorcraft® Gold Concentrated Antifreeze/Coolant | Motorcraft® Yellow Concentrated Antifreeze/Coolant |
| Service Part Numbers | Prediluted: VC-5DIL (USA) Concentrated: VC-5 (USA) | Prediluted: VC-7DIL-B (USA) Concentrated: VC-7-B and VC-7-D (USA) CVC-7-B6 (Canada) | Prediluted: VC-13DL-G (USA) CVC-13DL-G and CVC-13DL-P (Canada) Concentrated: VC-13-G (USA) CVC-13-G and CVC-13-P (Canada) |
| Ford Specification | ESE-M97B44-A | WSS-M97B51-A1 | Prediluted: WSS-M97B57-A2 Concentrated: WSS-M97B57-A1 |
| <i>Use with the following products:</i> | | | |
| 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 | Yes, but use <i>only</i> as recommended to check coolant for nitrite contamination |
| Corrosion Protection (Test Kits) for Extended Life Coolant (ELC), Rotunda part number 328-R071-ELC | No | No | Yes, but <i>only</i> when mixed with Motorcraft® Orange Antifreeze/Coolant 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 |
| VC-1 - Motorcraft® Premium Cooling System Flush | Yes | Yes | Yes |
| VC-8 - Motorcraft® Diesel Cooling System Additive | 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 |
| VC-9 - Motorcraft® Engine Cooling System Iron Cleaner (for industrial use <i>only</i>) | 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 | Yes, but <i>only</i> when mixed with Motorcraft® Orange Antifreeze/Coolant 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 |