



## Motorcraft® Axle Lubricants – Quick Reference Lubricant Applications and Capacities Chart

Application	Axle Location	Fluid Refill (Pints) [1]	Axle Description	Friction Modifier [2]	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>PASSENGER CARS</b>														
Focus RS	Rear	1.9 [4][8]	TVR	XL-19						■	■			
Taurus (19) / Fusion	Rear	2.4 [4]	ATC	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	
MKZ / MKS (16)	Rear	2.4 [4]	ATC	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	
MKT	Rear	2.4 [4]	ATC	N/A	◆	◆	◆	◆	◆	◆	◆	◆		
MKZ (2.0L EB engine)	Rear	2.4 [4]	ATC	N/A						◆	◆	◆	◆	
Lincoln Continental (2.7L EB, 3.7L (20) engines)	Rear	2.4 [4]	ATC	N/A						◆	◆	◆	◆	◆
Lincoln Continental / MKZ (3.0L EB engine)	Rear	1.9 [4][8]	TVR	XL-19						■	■	■	■	■
Mustang (All)	Rear	4.0	8.8	XL-3 for LS	●	●	■	■	■	■	■	■	■	■
Shelby GT500	Rear	4.0	8.8	XL-3	●	■	■						■	■
Shelby GT350	Rear	4.0	8.8	XL-3				■	■	■	■	■	■	■
<b>TRUCKS</b>														
Aviator	Front	1.3 [6]	6.5	N/A									●	●
Aviator	Rear	3.7 [6]	8.8	N/A									■	■
Bronco	Front	1.9 [6]		N/A										◆
Bronco	Rear	4.2		N/A										■
Bronco Sport 1.5L	Rear	1.6[9]	Disconnect	N/A										▲
Bronco Sport 2.0L	Rear	2.5 [9]	Disconnect	N/A										▲
Corsair/Escape	Rear	1.6[9]	Disconnect	N/A									▲	▲
Ecosport 2.0L	Rear	1.3 [9]	ATC	N/A							◆	◆	◆	◆
Edge / MKX	Rear	2.4 [4]	ATC	N/A	◆	◆	◆	◆	◆	◆	◆			
Edge / Nautilus	Rear	1.5 [9]	Disconnect	N/A								▲	▲	▲
Flex	Rear	2.4 [4]	ATC	N/A	◆	◆	◆	◆	◆	◆	◆	◆		
Explorer	Rear	2.4 [4]	ATC	N/A	◆	◆	◆	◆	◆	◆	◆	◆		
Explorer / Police Utility	Front	1.3 [6]	6.5	N/A									●	●
Explorer / Police Utility	Rear	3.4 [6]	8.1	N/A									■	■
Explorer / Police Utility	Rear	3.7 [6]	8.8	N/A									■	■
Escape / Mariner (11) / MKC (15-19)	Rear	2.6 [4]	ATC	N/A	◆	◆	◆	◆	◆	◆	◆	◆		
Ranger (C and E)	Rear	3.7C / 3.0E	M220	N/A								◆	◆	◆
Ranger (4WD)	Front	2.1 [6]	M190	N/A								◆	◆	◆
Expedition / Navigator (C)	Rear	4.3	9.75	N/A	●	●	●							
Expedition / Navigator (LS)	Rear	4	9.75	XL-3	●	●	●							
Expedition / Navigator	Front	3.6 [6]	8.8	N/A	◆	◆	◆	■	■	■				
Expedition / Navigator (C)	Rear	5	9.75	N/A				■	■	■	■	■	■	■
Expedition / Navigator (LS)	Rear	4	9.75	XL-3				■	■	■				
Expedition / Navigator (ELS)	Rear	5 [5]	9.75	XL-3							■	■	■	■
Expedition (C)	Rear	4	8.8	N/A							■	■	■	■
Expedition / Navigator (C, LS)	Front	3.5 [6]	8.8	XL-3 for LS							■	■	■	■
F-150 (E)	Rear	6	9.75	N/A	●	●	●							
F-150 (C, LS)	Rear	5.5 C / 6 LS	9.75/8.8	XL-3 for LS	●	●	●							

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## Motorcraft® Axle Lubricants – Quick Reference Lubricant Applications and Capacities Chart – cont'd

Application	Axle Location	Fluid Refill (Pints) [1]	Axle Description	Friction Modifier [2]	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>TRUCKS – CONT'D</b>														
F-150 (C,E)	Rear	4.6/4	9.75/8.8	N/A				■	■	■	■	■	■	■
F-150 (C)	Front	3.6 [6]	8.8	N/A	◆	◆	◆	■	■	■	■	■	■	■
F-150 Raptor (LS)	Rear	3.5	8.8	XL-3 for LS	●	●	●							
F-150 Raptor (C, E)	Rear	5.6	9.75	N/A				■	■	■	■	■	■	■
F-150 Raptor (LS)	Front	3.5 (12-14)/3.2 [2] [6]	8.8	XL-3	◆	◆	◆	■	■	■	■	■	■	■
F-250 / 350 (C, E)	Rear	7.0 C / 6.8 E	10.5	N/A	●	●	●	●	●	■	■	■	■	■
F-250 / 350 / 450 / 550 (C)	Front	6.4 (17) / 5.6 [6]	M60 (M248)	N/A (19) / XL-3 for LS	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
F-350 (All)	Rear	8.4	M80 (M286)	N/A	●	●	●	●	●					
F-350 / 550 (Diesel)	Rear	7.6	M300	XL-3 for LS [3]						●	●	●	●	●
F-350 / 550 (Gas)	Rear	7.6	M300	XL-3 for LS [3]						◆	◆	◆	◆	◆
F-350 / 550 (Diesel)	Rear	7.2	M275	N/A						●	●	●	●	●
F-450 / 550 (All)	Rear	14.0	S110/S130	N/A	●	●	●	●	●					
Transit	Rear	6.3	9.75	XL-3 for LS [7]				■	■	■	■	■	■	■
E-150 / E-250 / 350 (C)	Rear	5.9	M60 (M248)	N/A	◆	◆	◆							
E-150 / E-250 / 350 (LS)	Rear	5.8	M60 (M248)	XL-3 [3]	●	●	●							
E-250 / 350 (All) (DSO)	Rear	5.9	M60 (M248)	[3] XL-3 for LS	●	●	●							
E-350 Chassis / RV / Cutaway (C)	Rear	6.6	M70FF (M267FF)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
E-350 Chassis / RV / Cutaway (LS)	Rear	6.6	M70FF (M267FF)	N/A	●	●	●	●	●	●	●	●	●	●
E-450 Chassis / RV / Cutaway (C)	Rear	9.0	M70HD (M273HD)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
E-450 Chassis / RV / Cutaway (LS)	Rear	9.0	M70HD (M273HD)	N/A	●	●	●	●	●	●	●	●	●	●
F-53 Motorhome, F-59 Chassis (C)	Rear	8.0 (04) 8.4	M80 (M286)	N/A	●	●	●	●	●	●	●	●	●	●
F-53 Motorhome, F-59 Chassis (All)	Rear	14.0	S110/S130	N/A	●	●	●	●	●	●	●	●	●	●
F-53 Motorhome, F-59 Chassis (All)	Rear	32.0	17060S	N/A	●	●	●	●	●	●	●	●	●	●

- ◆ XY-80W90-QL, WSP-M2C197-A, SAE 80W-90 Premium Rear Axle Lubricant
- XY-75W140-QL, WSL-M2C192-A, SAE 75W-140 Synthetic Rear Axle Lubricant
- XY-75W85-QL, WSS-M2C942-A, SAE-75W-85 Synthetic Hypoid Gear Lubricant
- ▲ XY-75W-QL, Disconnect Rear Drive Unit Fluid
- XL-3, EST-M2C118-A, Additive Friction Modifier
- XL-19, Gear Oil Additive

When filling a Limited Slip axle requiring Friction Modifier, always add Friction Modifier first, before filling with the lubricant.

C = Conventional Axle  
 LS = Limited Slip Axle  
 FF = Full Floating  
 SF = Semi-Floating  
 HD = Heavy Duty  
 E = Electronic Locking Differential  
 ATC = Active Torque Coupling RDU  
 TVR = Torque Vectoring RDU  
 ELS = Electronic Limited Slip  
 (XX) = The last model year used  
 [X] = Notes  
 M&S prefix axle descriptions = Dana Axles  
 Numeric descriptions = Ford/Visteon Axles

### Notes:

- [1] Oil refill volume does not include friction modifier. Do not overfill above volumes shown (friction modifier should be added first)
- [2] 4 fl. oz. of friction modifier added unless otherwise specified
- [3] Add 8 fl. oz. of friction modifier
- [4] XY-75W140-QL, WSL-M2C192-A, SAE 75W-140 Synthetic Rear Axle Lubricant for PTU. Check owner guide or shop manual for fill capacity.
- [5] Hydraulic control unit requires 0.36 pts MERCON ULV, XT-12-QLV
- [6] XT-10-QLVC, MERCON® LV, for all transfer cases. Check owner guide or shop manual for fill capacity.
- [7] Do not add more than 4 fl. oz. of friction modifier
- [8] Pentosin CHF 11S Synthetic Hydraulic Fluid for the Active-Torque-Coupling System. Fill plug on top of the RDU. Do not put in differential case
- [9] XY-75W85-QL, WSS-M2C942-A, SAE-75W-85 Synthetic Hypoid Gear Lubricant for the PTU