



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

Application	Axle Location	Fluid Refill (Pints) [1]	Axle Description	Friction Modifier [2]	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
PASSENGER CARS														
Focus RS	Rear	1.9 [4] [8]	TVR	XL-19	■	■	■							
Lincoln Continental (2.7L EB, 3.7L engines)	Rear	2.4 [4]	ATC	N/A		◆	◆	◆	◆					
Lincoln Continental / MKZ (3.0L EB engine)	Rear	1.9 [4] [8]	TVR	XL-19		■	■	■	■					
MKT (15-19) / MKZ (17-20 2.0L EB engine)	Rear	2.4 [4]	ATC	N/A	◆	◆	◆	◆	◆					
Mustang (All)	Rear	4.0	8.8	XL-3 for LS	■	■	■	■	■	■	■	■	■	■
Shelby GT500 (20-22) / GT350 (15-22)	Rear	4.0	8.8	XL-3	■	■	■	■	■	■	■			
Taurus (19-20) / Fusion (15-20) / MKZ (15-20) / MKS (16)	Rear	2.4 [4]	ATC	N/A	◆	◆	◆	◆	◆					
TRUCKS														
Aviator	Front	1.3 [6]	6.5	N/A					●	●	●	●	●	●
Aviator	Rear	3.7 [6]	8.8	N/A					■	■	■	■	■	■
Bronco	Rear	4.07 C / 3.97 E [6]	7.5, 8.26	N/A						■	■	■	■	■
Bronco	Front	[10] [6]	7.5, 8.26	N/A						■	■	■	■	■
Bronco	Front	1.9 [6]	4x4 with Part Time Engagement	N/A						◆	◆	◆	◆	◆
Bronco Raptor	Front	1.74 [4]	8.2	N/A							■	■	■	■
Bronco Raptor	Rear	3.97 E		N/A							■	■	■	■
Bronco Sport 1.5L	Rear	1.6 [9]	Disconnect	N/A							▲	▲	▲	▲
Bronco Sport 1.5L	Rear	1.7 [9]	Twin Active Torque Coupling	N/A							▲	▲	▲	▲
Bronco Sport 2.0L	Rear	2.5 [9]	Disconnect	N/A							▲	▲	▲	▲
Bronco Sport 2.0L	Rear	2.5 [9]	Twin Active Torque Coupling	N/A							▲	▲	▲	▲
Corsair/Escape	Rear	1.6 [9]	Disconnect	N/A					▲	▲	▲	▲	▲	▲
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	●	●	●	●	●	●	●	●	●	●
Ecosport 2.0L	Rear	1.3 [9]	ATC	N/A			◆	◆	◆	◆	◆			
Edge	Rear	1.6 [9]	Disconnect	N/A				▲	▲	▲	▲	▲	▲	
Edge / MKX	Rear	2.4 [4]	ATC	N/A	◆	◆	◆							
Escape / MKC (15-19)	Rear	2.6 [4]	ATC	N/A	◆	◆	◆	◆						
Expedition (C)	Rear	4.0	8.8	N/A			■	■	■	■	■	■	■	■
Expedition / Navigator	Front	3.6 [6]	8.8	N/A	■	■								
Expedition / Navigator (C)	Rear	5.0	9.75	N/A	■	■	■	■	■	■	■	■	■	■
Expedition / Navigator (C, LS)	Front	3.5 [6]	8.8	XL-3 for LS			■	■	■	■	■	■	■	■
Expedition / Navigator (ELS)	Rear	5.0 [5]	9.75	XL-3			■	■	■	■	■	■	■	■
Expedition / Navigator (LS)	Rear	4.0	9.75	XL-3	■	■								



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TRUCKS—CONT'D														
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	XL-3 (21-)					■	■	■	■	■	■
F-150	Rear	5.6	9.75	N/A									■	■
F-150	Front	3.3	Torsen	XL-3									■	■
F-150 (C)	Front	3.6 [6]	8.8	N/A	■	■	■	■	■	■	■	■	■	■
F-150 (C, E)	Rear	4.6 / 4.0	9.75/8.8	N/A	■	■	■	■	■	■	■	■		
F-150 Dual Rear Wheel	Rear	6.0	8.8	N/A									■	■
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-150 Single Rear Wheel	Rear	4.0	8.8	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-250/ 350 (C, LS)	Front	4.4 C / 4.1 LS	M235	XL-3 for LS									◆	◆
F-250-600	Rear	8.0	E 3.31/3.55/3.73	N/A									●	●
F-250-600	Rear	8.2	E 4.3	N/A									●	●
F-250-600	Rear	8.1	M300	N/A									◆	◆
F-250-600	Rear	9.3	M315	XL-3									●	●
F-250-600	Rear	7.4 / 6.9 LS	M275	XL-3 for LS									●	●
F-250-600 (C, E)	Rear	7.0 C / 6.8 E	10.5	N/A	●	■	■	■	■	■	■	■	■	■
F-250-600 Dual Rear Wheel	Rear	8.4 / 7.9 LS	M300	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 (Diesel)	Rear	7.2	M275	N/A		●	●	●	●	●	●	●	●	●
F-350 / 550 (Gas)	Rear	7.6	M300	XL-3 for LS [3]		◆	◆	◆	◆	◆	◆	◆		
F-450 / 550 (All)	Rear	7.8 C / 7.3 LS	M275	XL-3 for LS									●	●
F-450 / 550 (All)	Rear	14.0	S110/S130	N/A	●									
F-450/ 550 / 600	Front	5.5	M256	N/A									◆	◆
F-53 Motorhome, F-59 Chassis	Rear	14.0	S110/S130	N/A	●	●	●	●	●	●	●	●	●	●
F-53 Motorhome, F-59 Chassis	Rear	21.0	S140	N/A									●	●
F-53 Motorhome, F-59 Chassis (All)	Rear	32.0	17060S	N/A	●	●	●	●	●	●	●	●		
F-53 Motorhome, F-59 Chassis (C)	Rear	8.0 (04) 8.4	M80 (M286)	N/A	●	●	●	●	●	●	●	●		
Flex	Rear	2.4 [4]	ATC	N/A	◆	◆	◆	◆						
Maverick	Rear	1.6 (22) / 2.5 (23-)	ATC/TTC	N/A							▲	▲	▲	▲
Nautilus (19-23)	Rear	1.8	Disconnect	N/A				▲	▲	▲	▲	▲		
Nautilus (24-)	Rear	1.6 [9]	Disconnect	N/A									▲	▲



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TRUCKS—CONT'D														
Ranger (24-)	Front	1.8	Open	N/A									■	■
Ranger (24-)	Rear	4.1 C / 3.7 E		N/A									■	■
Ranger (4WD)	Front	2.1 [6]	M190	N/A				◆	◆	◆	◆	◆		
Ranger (C and E)	Rear	3.7 C / 3.0 E	M220	N/A				◆	◆	◆	◆	◆		
Ranger Raptor	Rear	7.1 C/E [6]		N/A									■	■
Ranger Raptor	Front	1.8 E		N/A									■	■
Transit	Rear	6.3	9.75	XL-3 for LS [7]	■	■	■	■	■	■	■	■	■	■
Transit	Front	1.6	6.5	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

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
TTC = Twin Torque Control 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

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

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. Add 1.86 fl. oz. of gear oil additive
- [9] XY-75W85-QL, WSS-M2C942-A, SAE-75W-85 Synthetic Hypoid Gear Lubricant for the PTU
- [10] Please Refer to Owner's Manual for fill information