



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

Application	Axle Location	Fluid Refill (Pints) [1]	Axle Description	Friction Modifier [2]	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>PASSENGER CARS</b>														
Crown Victoria / Grand Marquis / Town Car (All)	Rear	3.8 (02) / 4.5 (03)	8.8	XL-3 for LS	◆	◆	◆							
Crown Victoria Police (All)	Rear	4.5		8.8	XL-3 for LS	●	●	●						
Focus RS	Rear	1.9	[4][8]	GKN	XL-19								■	
Taurus / Sable (09)	Rear	2.4	[4]	M160	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fusion / Milan (11) / MKZ	Rear	2.4	[4]	M160	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆
MKT	Rear	2.4	[4]	M160	N/A		◆	◆	◆	◆	◆	◆	◆	◆
Lincoln Continental (2.7L EB, 3.7L engines)	Rear	2.4	[4]	M160	N/A								◆	◆
Lincoln Continental (3.0L EB engine)	Rear	1.9	[4][8]	GKN	XL-19								■	■
Lincoln Limo (LS)	Rear	4.8(02) / 4.5		8.8	XL-3	●	●	●						
Mustang (All)	Rear	3.3		7.5	XL-3 for LS	◆	◆							
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>														
Edge / MKX	Rear	2.4	[4]	M160	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆
Taurus X	Rear	2.4	[4]	M160	N/A	◆								
Flex	Rear	2.4	[4]	M160	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆
Explorer	Rear	2.4	[4]	M160	N/A			◆	◆	◆	◆	◆	◆	◆
Escape / Mariner (11) (C)	Rear	2.6	[4]	M28(M174)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆
Explorer / Mountaineer (C) (IRS)	Rear	3.5		8.8	N/A	●	●							
Explorer / Mountaineer (LS, IRS)	Rear	3.3		8.8	XL-3	●	●							
Explorer / Sport Trac (LS)	Rear	5.3		8.8	XL-3	●	●							
Explorer / Sport Trac (C)	Rear	5.5		8.8	N/A	●	●							
Explorer Sport Trac (C)	Front	2.8	[5]	M30(M186)	N/A	◆	◆							
Explorer / Mountaineer (C)	Front	2.8	[5]	M30(M186)	N/A	◆	◆							
Ranger (C and LS, except Level II)	Rear	5.0		7.5/8.8	XL-3 for LS	◆	◆	◆						
Ranger (4WD Off Road, High Torque, Level II)(LS)	Rear	5.3		8.8	XL-3	●	●	●						
Ranger (4WD)	Front	3.3	[5]	M35 (M194)	N/A	◆	◆	◆						
Expedition / Navigator (C)	Rear	3.5		8.8/9.75	N/A	●	●	●	●	●	■	■	■	■
Expedition / Navigator (LS)	Rear	3.3		8.8/9.75	XL-3	●	●	●	●	●	■	■	■	■
F-150 (C, E)	Rear	5.5		8.8/9.75	N/A	●	●	●	●	●	■	■	■	■
F-150 Raptor (E)	Rear	6.0		9.75	N/A		●	●	●	●			■	■
F-150 (LS)	Rear	5.3		8.8/9.75	XL-3 [7]	●	●	●	●	●	■	■	■	■
F-150 (LS)	Rear		7.0	10.25	XL-3	●								
F-150 / Expedition / Navigator (C)	Front	3.5	[5][6]	8.8	N/A	◆	◆	◆	◆	◆	◆	■	■	■

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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]	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
F-150 Raptor	Front	3.25	[5]	8.8	XL-3				◆	◆	◆			■	■
F-250 / 350 (C, E)	Rear	7.5 (01)	6.9	10.5	N/A	●	●	●	●	●	●	●	●	■	■
F-250 / 350 (LS)	Rear	7.5 (01)	6.5	10.5	XL-3 [3]	●	●								
F-250 / 350 / 450 / 550 (C)	Front	5.9	[5]	M60(M248)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
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, SAE-75W-85 Synthetic Hypoid Gear Lubricant
- 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  
**(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
- [4-6] For 4X4 and AWD, PTU and Transfer Case fill, check owner guide or shop manual for fill capacity
- [4] XY-75W140-QL, WSL-M2C192-A, SAE 75W-140 Synthetic Rear Axle Lubricant for PTU
- [5] XL-12, ESP-M2C166-H, Transfer case fluid, for transfer case
- [6] XT-10-QLVC, MERCON® LV (for torque on demand transfer cases only, 2012 MY and forward, Torque on demand transfer cases have a sticker that shows "MERCON® LV Only" above the drain plug)
- [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