



Motorcraft Axle Lubricants - Quick Reference Lubricant Applications and Capacities Chart

Application	Axle Location	Fluid Refill (Pints) [1]	Axle Description	Friction Modifier [3]	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
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	●	●	●	●	●	●	●	●			
Five Hundred / Montego	Rear	1.5(06) 2.4 [7]	Getrag (06)/M160	N/A		◆	◆	◆							
Taurus / Sable (09)	Rear	2.4 [8]	M160	N/A					◆	◆	◆	◆	◆	◆	◆
Fusion / Milan (11) / MKZ	Rear	2.4 [8]	M160	N/A				◆	◆	◆	◆	◆	◆	◆	◆
MKT	Rear	2.4 [8]	M160	N/A							◆	◆	◆	◆	◆
Lincoln LS (C)	Rear	2.9	8.0	N/A	●	●	●								
Lincoln LS (Sport) (C)	Rear	2.9	8.0	N/A	●	●	●								
Lincoln Limo (LS)	Rear	4.8(02) / 4.5	8.8	XL-3	●	●	●	●	●	●	●	●			
Marauder (LS)	Rear	3.8	8.8	XL-3	◆										
Mustang (All)	Rear	3.3	7.5	XL-3 for LS	◆	◆	◆	◆	◆	◆	◆				
Mustang (All) / Shelby GT500 (12)	Rear	4.0	8.8	XL-3 for LS	●	●	●	●	●	●	●	●	●	●	■
Shelby GT500	Rear	4.0	8.8	XL-3										■	■
Mustang Cobra (IRS w / LS)	Rear	2.6	8.8	XL-3	●										
Thunderbird (C)	Rear	2.9 2.5(03-06)	8.8	N/A	●	●	●								
Aviator (All)	Rear	3.5	8.8	XL-3 for LS	●	●									
Aviator (C)	Front	2.8 [9]	M30(M186)	N/A	◆	◆									
Edge / MKX	Rear	2.4 [8]	M160	N/A				◆	◆	◆	◆	◆	◆	◆	◆
Taurus X	Rear	2.4 [8]	M160	N/A					◆	◆					
Flex	Rear	2.4 [8]	M160	N/A						◆	◆	◆	◆	◆	◆
Explorer	Rear	2.4 [8]	M160	N/A								◆	◆	◆	◆
Escape / Mariner (11) (C)	Rear	2.6 [8]	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	3.3 [9]	M35(M194)	N/A	◆	◆									
Explorer Sport Trac (C)	Front	2.8 [9]	M30(M186)	N/A				◆	◆	◆	◆				
Explorer / Mountaineer (C)	Front	2.8 [9]	M30(M186)	N/A	◆	◆	◆	◆	◆	◆	◆				
Freestyle	Rear	1.5 [7]	159.9	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 [9]	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 / Lincoln Mark LT (08) (C, E)	Rear	5.5	8.8/9.75	N/A	●	●	●	●	●	●	●	●	●	●	●
F-150 Raptor (E)	Rear	6.0	9.75	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 [3]	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
F-150 / Lincoln Mark LT (08) (LS)	Rear	5.3	7.0	8.8/9.75/10.25	XL-3	●	●	●	●	●	●	●	●	●	●	●
F-150 / Expedition / Navigator (C)	Front	3.5	[9] [10]	8.8	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
F-150 Raptor	Front	3.25	[9]	8.8	XL-3									◆	◆	◆
F-250 / 350 (C, E)	Rear	7.5 (01)	6.9	10.50	N/A	●	●	●	●	●	●	●	●	●	●	●
F-250 / 350 (LS)	Rear	7.5 (01)	6.5	10.50	XL-3[4]	●	●	●	●	●	●	●				
F-250HD / 350 (02) / Excursion 00-05 (C)	Front	3.8	[9]	M50(M229)	N/A	◆	◆									
F-250 / 350 / 450 / 550 (C)	Front	5.9	[9]	M60(M248)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
F-350 / 450 (All)	Rear	8.0 (04)	8.4	M80(M286)	[2] [4] XL-3 for LS	❖	❖	❖	❖	❖	❖	❖	❖	❖	❖	❖
F-450 / 550 (All)	Rear	14.0		S110/S130	N/A	●	●	●	●	●	●	●	●	●	●	●
F-550 / E-550 (03) (All)	Rear	24.5	26.7 [6]	S135	N/A [5]	◆										
Transit	Rear	6.3		9.75	N/A											■
E-150 (C)	Rear	5.5		8.8/9.75	N/A	●	●	●								
E-150 (LS)	Rear	5.4	5.3(03-06)	8.8/9.75	XL-3	●	●	●								
E-150 / E-250 / 350 (C)	Rear	6.3		M60(M248)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
E-150 / E-250 / 350 (LS)	Rear	5.8		M60(M248)	XL-3 [4]	❖	❖	❖	❖	❖	❖	❖	❖	❖	❖	❖
E-250 / 350 (All) (DSO)	Rear	5.8		M60(M248)	[4] XL-3 for LS	●	●	●	●	●	●	●	●	●	●	●
E-350 Chassis / RV / Cutaway (C) (DSO)	Rear	7.4		M70HD(M273HD)	N/A	●	●	●	●							
E-350 Chassis / RV / Cutaway (C)	Rear	6.6 (09)	9.0	M70FF(M267FF)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
E-350 Chassis / RV / Cutaway (LS)	Rear	6.3		M70FF(M267FF)	XL-3 [4]	❖	❖	❖								
E-350 Chassis / RV / Cutaway (LS)	Rear	6.6 (09)	9.0	M70FF(M267FF)	N/A				❖	❖	❖	❖	❖	❖	❖	❖
E-450 Chassis / RV / Cutaway (C)	Rear	8.3		M70HD(M273HD)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
E-450 Chassis / RV / Cutaway (LS)	Rear	7.8		M70HD(M273HD)	XL-3 [4]	❖	❖	❖								
E-450 Chassis / RV / Cutaway (LS)	Rear	8.3		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 [5]			●	●	●	●		●	●	●	●
F-53 Motorhome, F-59 Chassis (All)	Rear	24.5		S135/S150	N/A [5]	●		●								
F-53 Motorhome, F-59 Chassis (All)	Rear	32.0		17060S	N/A [5]					●	●		●	●	●	●

- ◆ 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-75W90-QLS, SAE-75W-90 Synthetic Rear Axle Lubricant
- XY-75W85-QL, SAE-75W-85 Synthetic Hypoid Gear Lubricant
- XL-3, EST-M2C118-A, Additive Friction Modifier

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] Friction modifier required in vehicles built before 10/10/04
- [3] 4 fl oz of friction modifier added unless otherwise specified
- [4] Add 8 fl oz of friction modifier
- [5] S100/130/135/150/17060 limited slip axles do not require friction modifier
- [6] 26.7 pints in E-550 only. All other vehicle receive 24.5
- [7-10] For 4X4 and AWD, PTU and Transfer Case fill, check owner guide or shop manual for fill capacity
- [7] XY-75W90-PTU, GL-5, SAE 75W90 Specialty Power Transfer Unit Fluid
- [8] XY-75W140-QL, WSL-M2C192-A, SAE 75W-140 Synthetic Rear Axle Lubricant
- [9] XL-12, ESP-M2C166-H, Transfer case fluid
- [10] XT-10-QLVC, MERCON LV (for torque on demand transfer cases only, 2012 MY)