

Motorcraft Oil

Quick Reference Oil Applications and Crankcase Capacities Chart



| Recommend Motorcraft SAE 5W-20 | Oil Refill (Qts) (1) | Oil Filter | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|--|----------------------|------------|------|------|------|------|------|------|------|------|------|------|
| 1.9L Escort/Tracer | 4.0 | FL 400 S | | | | | | | | | | |
| 2.0L SPI Escort(02)/Tracer(99)/Focus(04) | 4.0 | FL 400 S | | | | | | | | | | |
| 2.0L SPI Focus | 4.5 | FL 910 | | | | | | | | | | |
| 2.0L Zetec Escort(00)/Escort ZX2(03)/Cougar(02) | 4.5 | FL 2005 | | | | | | | | | | |
| 2.0L Zetec Contour/Mystique | 4.5 | FL 2005 | | | | | | | | | | |
| 2.0L Zetec Focus/Escapes | 4.5 | FL 400 S | | | | | | | | | | |
| 2.3L I4 Focus/Escapes/Mariner | 4.5 | FL 910 | | | | | | | | | | |
| 2.3L I4 Escape Hybrid Electric Vehicle | 4.5 | FL-2017-A | | | | | | | | | | |
| 2.3L I4 Ranger | 4.0 | FL 400S | | | | | | | | | | |
| 2.3L OHC Ranger/Mustang(94) | 5.0 | FL 1 A | | | | | | | | | | |
| 2.3L HSC Tempo/Topaz | 5.0 | FL 300 | | | | | | | | | | |
| 2.5L Cougar(02)/Contour(00)/Mystique(00) | 5.8 | FL 820 S | | | | | | | | | | |
| 2.5L Ranger | 4.5 | FL 400 S | | | | | | | | | | |
| 3.0L (Vulcan) Aerostar(97)/Ranger/Taurus/Sable(Flexible Fuel(2) & Gas) | 4.5 | FL 400 S | | | | | | | | | | |
| 3.0L (Vulcan) Tempo/Topaz | 4.5 | FL 400 S | | | | | | | | | | |
| 3.0L (Vulcan) Windstar | 4.5 | FL 400 S | | | | | | | | | | |
| 3.0L 4V Taurus/Sable/Five Hundred/Montego | (96-03)5.6/6.0 | FL 820 S | | | | | | | | | | |
| 3.0L 4V Escape/Mariner/Freestyle | (01-04)5.6/6.0 | FL 820 S | | | | | | | | | | |
| 3.0L Lincoln LS | (00)6.7/6.9 | FL 400 S | | | | | | | | | | |
| 3.8L Mustang | 5.3 | FL 400 S | | | | | | | | | | |
| 3.8L SPI Windstar | 5.0 | FL 400 S | | | | | | | | | | |
| 3.8L SPI Windstar | 5.7 | FL 400 S | | | | | | | | | | |
| 3.8L Thunderbird/Cougar | (93-95)5.0/5.3 | FL 400 S | | | | | | | | | | |
| 3.8L Taurus/Sable/Continental | 4.5 | FL 400 S | | | | | | | | | | |
| 3.8L Windstar | 4.5 | FL 400 S | | | | | | | | | | |
| 3.9L V6 Freestar | 5.0 | FL 400 S | | | | | | | | | | |
| 3.9L V8 Lincoln LS/Thunderbird | 6.0 | FL 2008 | | | | | | | | | | |
| 3.9L V8 Lincoln LS/Thunderbird | 6.5 | FL 219 | | | | | | | | | | |
| 4.2L Freestar/Monterey | 6.0 | FL 400 S | | | | | | | | | | |
| 4.2L SPI Econoline(04)/F-150 (under 8500 GVW only) | 6.0 | FL 400 S | | | | | | | | | | |
| 4.6L 2V Aviator/Explorer/Mountaineer | 6.0 | FL 820 S | | | | | | | | | | |
| 4.6L 2V Mustang | (95-02)5.0/6.0 | FL 820 S | | | | | | | | | | |
| 4.6L 2V Thunderbird/Cougar | 5.0 | FL 820 S | | | | | | | | | | |
| 4.6L 2V Triton F-150/250 (under 8500 GVW only) | 6.0 | (4) | | | | | | | | | | |
| 4.6L 4V Marauder | 6.0 | FL 820 S | | | | | | | | | | |
| 4.6L 4V Mark VIII | 6.0 | FL 820 S | | | | | | | | | | |
| 4.6L 4V Mustang Cobra/Mach 1 (also includes SC) | 6.0 | FL 820 S | | | | | | | | | | |
| 4.6L 4V Continental | 6.0 | FL 820 S | | | | | | | | | | |
| 4.6L Crown Victoria/Grand Marquis | (92-02)5.0/6.0 | FL 820 S | | | | | | | | | | |
| 4.6L Econoline | 6.0 | FL 820 S | | | | | | | | | | |
| 4.6L Expedition | 6.0 | FL 820 S | | | | | | | | | | |
| 4.6L Town Car | (91-02)5.0/6.0 | FL 820 S | | | | | | | | | | |
| 4.9L F-Series/E-Series | 6.0 | FL 1 A | | | | | | | | | | |
| 5.0L Mustang/Crown Victoria/Grand Marquis | 5.0 | FL 1 A | | | | | | | | | | |
| 5.0L Mustang Cobra | 5.0 | FL 300 | | | | | | | | | | |
| 5.0L Thunderbird/Cougar | 5.0 | FL 1 A | | | | | | | | | | |
| 5.0L Explorer/Mountaineer | 5.0 | FL 820 S | | | | | | | | | | |
| 5.0L F-Series/E-Series/Bronco(96) | 6.0 | FL 1 A | | | | | | | | | | |
| 5.4L Blackwood | 6.0 | FL 820 S | | | | | | | | | | |
| 5.4L 2V F-Series/Expedition (also includes SC) | 6.0 | FL 820 S | | | | | | | | | | |
| 5.4L 3V F-Series/Expedition | 7.0 | FL 820 S | | | | | | | | | | |
| 5.4L Navigator | (98-02)6.0/7.0 | FL 820 S | | | | | | | | | | |
| 5.4L E-150/250/350/E-350 Chassis/RV/Cutaway | 6.0 | FL 820 S | | | | | | | | | | |
| 5.4L Excursion | 6.0 | FL 820 S | | | | | | | | | | |
| 5.8L F-Series/Bronco(96) | 6.0 | FL 820 S | | | | | | | | | | |
| 5.8L E-Series | 6.0 | FL 1A | | | | | | | | | | |
| 6.8L E-250/350/E-350 Chassis/RV/Cutaway | 6.0 | FL 820 S | | | | | | | | | | |
| 6.8L Excursion | 6.0 | FL 820 S | | | | | | | | | | |
| 6.8L Super Duty F-Series 250 HD/350/450/550 F-53 Motorhome | 6.0 | FL 820 S | | | | | | | | | | |
| 7.5L All Vehicles | 6.0 | FL 1 A | | | | | | | | | | |

| Recommend Motorcraft SAE 5W-30 | Oil Refill (Qts) (1) | Oil Filter | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2004 |
|---|----------------------|------------|------|------|------|------|------|------|------|------|------|------|
| 1.3L Aspire | 3.6 | FL 816 | | | | | | | | | | |
| 1.3L Festiva | 3.4 | FL 810 | | | | | | | | | | |
| 1.6L Capri | 3.6 | FL 816 | | | | | | | | | | |
| 1.8L Escort/Tracer | 4.0 | FL 816 | | | | | | | | | | |
| 1.9L Escort/Tracer | 4.0 | FL 400 S | | | | | | | | | | |
| 2.0L Probe | 3.7 | FL 821 | | | | | | | | | | |
| 2.0L HP Zetec SVT Focus | 4.5 | FL 2005 | | | | | | | | | | |
| 2.2L Probe | 4.4 | FL 821 | | | | | | | | | | |
| 2.3L OHC Ranger/Mustang | 5.0 | FL 1 A | | | | | | | | | | |
| 2.3L HSC Tempo/Topaz | 5.0 | FL 300 | | | | | | | | | | |
| 2.3L HSC Tempo/Topaz | 5.0 | FL 1 A | | | | | | | | | | |
| 2.5L Probe | 4.2 | FL 822 | | | | | | | | | | |
| 2.9L Bronco II (91)/Ranger(92) | 5.0 | FL 1A | | | | | | | | | | |
| 3.0L (Vulcan) Aerostar/Ranger/Taurus/Sable | 4.5 | FL 400 S | | | | | | | | | | |
| 3.0L (Vulcan) Tempo/Topaz | 4.5 | FL 400 S | | | | | | | | | | |
| 3.0L (Vulcan) Probe | 4.0 | FL 400 S | | | | | | | | | | |
| 3.0L Villager | 4.2 | FL 839 | | | | | | | | | | |
| 3.0L SHO Taurus | 5.0 | FL 400 S | | | | | | | | | | |
| 3.2L SHO Taurus | 5.0 | FL 400 S | | | | | | | | | | |
| 3.3L Villager | 4.2 | FL 2007 | | | | | | | | | | |
| 3.4L SHO Taurus | 6.5 | FL 400 S | | | | | | | | | | |
| 3.8L Taurus/Sable/Continental(95)/Thunderbird/Cougar(97) | 4.5 | FL 400 S | | | | | | | | | | |
| 3.9L Lincoln LS | 6.0 | FL 2008 | | | | | | | | | | |
| 4.0L Explorer/Mountaineer/Ranger/Aerostar(97) | 5.0 | FL 1 A | | | | | | | | | | |
| 4.0L Explorer/Mountaineer/Explorer Sport/Explorer Sport Trac/Ranger | 5.0 | FL 820 S | | | | | | | | | | |
| 4.0L Mustang | 5.0 | FL 820 S | | | | | | | | | | |
| 4.9L F-Series/E-Series/Bronco(92) | 6.0 | FL 1 A | | | | | | | | | | |
| 5.0L Mustang/Crown Victoria (91)/Grand Marquis(91) | 5.0 | FL 1 A | | | | | | | | | | |
| 5.0L Mustang Cobra | 5.0 | FL 300 | | | | | | | | | | |
| 5.0L Thunderbird/Cougar/Mark VIII(92) | 5.0 | FL 1 A | | | | | | | | | | |
| 5.0L F-Series/E-Series/Bronco | 6.0 | FL 1 A | | | | | | | | | | |
| 5.8L E-Series | 6.0 | FL 1 A | | | | | | | | | | |
| 5.8L F-Series/Bronco | 6.0 | FL 1 A | | | | | | | | | | |
| 5.8L Crown Victoria Police/Grand Marquis | 5.0 | FL 300 | | | | | | | | | | |
| 7.5L All Vehicles | 6.0 | FL 1 A | | | | | | | | | | |

| Recommend Motorcraft SAE 15W-40 | Oil Refill (Qts) (1) | Oil Filter | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|---------------------------------|----------------------|------------|------|------|------|------|------|------|------|------|------|------|
| 6.0L DIT Diesel Vehicles (3) | 15.0 | FL 2016 | | | | | | | | | | |
| 7.3L DIT Diesel Vehicles (3) | 15.0 | FL 1995 | | | | | | | | | | |
| 7.3L Diesel Vehicles (3) | 10.0 | FL 784 | | | | | | | | | | |

| Recommend Motorcraft SAE 5W-50 | Oil Refill (Qts) (1) | Oil Filter | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 |
|--------------------------------|----------------------|------------|------|------|------|------|------|------|------|------|------|------|
| 5.4L 4V GT (SC) | 9.5 | FL 2023 | | | | | | | | | | |

Note (1): All capacities are with oil filter

Note (2): For 1993 - 1998 Flex Fuel Vehicle use XO-10W30-FFV

Note (3): Above 30F use Motorcraft 15W-40

-10F to 30F use Motorcraft 10W-30

below -10F use Motorcraft 0W-30

Note (4): The 2004 4.6L engine for this application was produced with two different oil filters depending on engine plant. Refer to the label on valve/cam cover for plant location.

If the label shows "REP", use oil filter number FL-820-S. If the label shows "Ford Windsor" use oil filter number FL-400-S.

SC = Supercharged
(Bracketed Years) = last model year of production

Please check Chemical and Lubricants Product catalog on FMCDealer.com or MCDistributor.com for updates to this chart