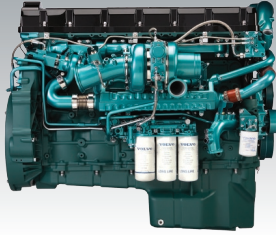


# VOLVO SERVICE AT A GLANCE



**D16  
D13  
D11**

## EPA 2010 COMPLIANT ENGINES



### D11H, D13H INTERVALS

### D16H INTERVALS



| Engine Operating Condition   | MEDIUM   | HEAVY                     | SEVERE                                 | VERY SEVERE                            |
|--|--|---------------------------|--|--|
| <b>Total Fuel Consumption (MPG)</b><br><small>If Idle Time greater than 25% use the next lower drain interval</small>          | > 6.0  | > 4.7                     | > 3.7                                  | > 2.0                                  |
| <b>Total Fuel Consumption (Liters/100km)</b><br><small>If Idle Time greater than 25% use the next lower drain interval</small> | < 39   | < 50                      | < 64                                   | < 120                                  |
| <b>Engine Oil &amp; Filters VDS 4 or EO-O Premium Plus Oil</b><br><small>Genuine OEM Filters Strongly Recommended</small>      | 35,000 Miles<br>56,000 Km  | 25,000 Miles<br>40,000 Km | 15,000 Miles<br>24,000 Km<br>450 Hours | 10,000 Miles<br>16,000 Km<br>300 Hours |
| <b>Chassis Lubrication (Normal Operation)</b>  | 15,000 Miles, 24,000 Km  |                           |  |  |
| <b>Chassis Lubrication (Demanding Operation)</b>   | 10,000 Miles, 16,000 Km  |                           |  |  |
| <b>CUSTOM PM SCHEDULES</b>   |  |                           |  |  |
| <b>"A" Service</b><br><small>Industry norm or customer specific</small>  | Perform Between B Service as Required  |                           |  |  |
| <b>"B" Service</b><br><small>Industry norm or customer specific</small>  | 35,000 Miles<br>56,000 Km  | 25,000 Miles<br>40,000 Km | 15,000 Miles<br>24,000 Km<br>450 Hours | 10,000 Miles<br>16,000 Km<br>300 Hours |
| <b>Electrical System Corrosion Protection</b>  | Every 6 Months (Minimum)   |                           |  |  |
| <b>3 Axle Alignment</b>  | Annually (Minimum)   |                           |  |  |
| <b>***I-Shift Transmission</b><br><small>(Only use Volvo approved synthetic oil in the I-Shift transmission.)</small>          | Long haul oil drain 500,000 miles (800,000 km) - 5 years   |                           |  |  |
|  | All other applications, change the transmission oil every 250,000 miles (400,000 km). <b>Always replace the oil filter when the oil is changed.</b><br>Drain the moisture from the transmission air reservoir daily.   |                           |  |  |
| <b>ENGINE COMPONENTS</b>   |  |                           |  |  |
|  | Miles, Km / Months / Hours (whichever occurs first)  |                           |  |  |
| <b>Air Filter</b>  | Air Restriction Gauge Trip OR 12 Months  |                           |  |  |
| <b>Fuel Filters</b> <small>(Engine Mounted Primary &amp; Secondary)</small>  | Every Oil Change   |                           |  |  |
| <b>Coolant Filter</b>  | 50,000 miles (80,000 km), OR 6 months, whichever occurs first *<br>[Chemical Release Filter with Fully Formulated Coolant]<br>*To synchronize maintenance intervals, there is no harm in changing the coolant filter at the same frequency as heavy & medium duty engine oil changes |                           |  |  |
|  | 150,000 miles (240,000 km), OR 12 months, whichever occurs first<br>[Long Life Filter with Extended Life Coolant]  |                           |  |  |
| <b>Coolant</b>   | 300,000 miles (500,000 km), OR 24 months, Voc. App. 150,000 miles (250,000 km)<br>OR 12 months, whichever occurs first [Fully Formulated Coolant]  |                           |  |  |
|  | 600,000 miles (1,000,000 km), OR 48 months, whichever occurs first<br>[Extended Life Coolant - No "Extender" Package Required]   |                           |  |  |
| <b>Valve Adjustment</b>  | First service 125,000 miles (200,000 km), OR 12 months, whichever occurs first<br>Then every 250,000 miles (400,000 km), OR 24 months, whichever occurs first  |                           |  |  |
| <b>Fan Drive Belt</b>  | 300,000 miles (500,000 km), OR maximum 36 months, whichever occurs first<br>[On-Highway Models: VNL, VNM]  |                           |  |  |
|  | 150,000 miles (240,000 km), OR maximum 12 months, whichever occurs first<br>[Vocational Model: VHD]  |                           |  |  |
| <b>Accessory Drive Belt</b>  | 300,000 miles (500,000 km), OR maximum 36 months, whichever occurs first<br>[On-Highway Models: VNL, VNM]  |                           |  |  |
|  | 150,000 miles (240,000 km), OR maximum 12 months, whichever occurs first<br>[Vocational Model: VHD]  |                           |  |  |
| <b>Diesel Particulate Filter (DPF) Ash Cleaning</b>  | 250,000 miles (400,000 km), OR 4500 hours, whichever occurs first<br>[Catalyzed DPF]   |                           |  |  |
| <b>Aftertreatment Fuel Injector Cleaning</b>   | 150,000 miles (240,000 km), Voc. App. 50,000 miles (80,000 km),<br>OR 4500 hours, whichever occurs first   |                           |  |  |
| <b>DPF Electrode &amp; Injector Service (Non-Catalyzed)</b>  | Vocational App. 100,000 miles (160,000 km), OR 2,400 hours, whichever occurs first   |                           |  |  |
| <b>Diesel Exhaust Fluid (DEF) Pump Filter *</b>  | First change 100,000 miles (161,000 km), OR 3200 hours OR 3 years<br>Then 150,000 miles, (241,000 km) - 4800 hours OR 3 years, whichever occurs first.   |                           |  |  |
| <b>(DEF) Tank Filler Neck Filter Cleaning *</b>  | 175,000 miles (280,000 km), OR 12 months, whichever occurs first   |                           |  |  |

| Engine Operating Condition   | MEDIUM   | HEAVY                     | SEVERE                                 | VERY SEVERE                            |
|--|--|---------------------------|--|--|
| <b>Total Fuel Consumption (MPG)</b><br><small>If Idle Time greater than 25% use the next lower drain interval</small>          | > 6.0  | > 4.7                     | > 3.7                                  | > 2.0                                  |
| <b>Total Fuel Consumption (Liters/100km)</b><br><small>If Idle Time greater than 25% use the next lower drain interval</small> | < 39   | < 50                      | < 64                                   | < 120                                  |
| <b>Engine Oil &amp; Filters VDS 4 or EO-O Premium Plus Oil</b><br><small>Genuine OEM Filters Strongly Recommended</small>      | 35,000 Miles<br>56,000 Km  | 25,000 Miles<br>40,000 Km | 15,000 Miles<br>24,000 Km<br>450 Hours | 10,000 Miles<br>16,000 Km<br>300 Hours |
| <b>Chassis Lubrication (Normal Operation)</b>  | 15,000 Miles, 24,000 Km  |                           |  |  |
| <b>Chassis Lubrication (Demanding Operation)</b>   | 10,000 Miles, 16,000 Km  |                           |  |  |
| <b>CUSTOM PM SCHEDULES</b>   |  |                           |  |  |
| <b>"A" Service</b><br><small>Industry norm or customer specific</small>  | Perform Between B Service as Required  |                           |  |  |
| <b>"B" Service</b><br><small>Industry norm or customer specific</small>  | 35,000 Miles<br>56,000 Km  | 25,000 Miles<br>40,000 Km | 15,000 Miles<br>24,000 Km<br>450 Hours | 10,000 Miles<br>16,000 Km<br>300 Hours |
| <b>Electrical System Corrosion Protection</b>  | Every 6 Months (Minimum)   |                           |  |  |
| <b>3 Axle Alignment</b>  | Annually (Minimum)   |                           |  |  |
| <b>***I-Shift Transmission</b><br><small>(Only use Volvo approved synthetic oil in the I-Shift transmission.)</small>          | Long haul oil drain 500,000 miles (800,000 km) - 5 years   |                           |  |  |
|  | All other applications, change the transmission oil every 250,000 miles (400,000 km). <b>Always replace the oil filter when the oil is changed.</b><br>Drain the moisture from the transmission air reservoir daily.   |                           |  |  |
| <b>ENGINE COMPONENTS</b>   |  |                           |  |  |
|  | Miles, Km / Months / Hours (whichever occurs first)  |                           |  |  |
| <b>Air Filter</b>  | Air Restriction Gauge Trip OR 12 Months  |                           |  |  |
| <b>Fuel Filters</b> <small>(Engine Mounted Primary &amp; Secondary)</small>  | Every Oil Change   |                           |  |  |
| <b>Coolant Filter</b>  | 50,000 miles (80,000 km), OR 6 months, whichever occurs first *<br>[Chemical Release Filter with Fully Formulated Coolant]<br>*To synchronize maintenance intervals, there is no harm in changing the coolant filter at the same frequency as heavy & medium duty engine oil changes |                           |  |  |
|  | 150,000 miles (240,000 km), OR 12 months, whichever occurs first<br>[Long Life Filter with Extended Life Coolant]  |                           |  |  |
| <b>Coolant</b>   | 300,000 miles (500,000 km), OR 24 months, Voc. App. 150,000 miles (250,000 km)<br>OR 12 months, whichever occurs first [Fully Formulated Coolant]  |                           |  |  |
|  | 600,000 miles (1,000,000 km), OR 48 months, whichever occurs first<br>[Extended Life Coolant - No "Extender" Package Required]   |                           |  |  |
| <b>Valve Adjustment</b>  | First service 60,000 miles (100,000 km), OR 6 months, whichever occurs first<br>Then every 125,000 miles (200,000 km), OR 12 months, whichever occurs first  |                           |  |  |
| <b>Fan Drive Belt</b>  | 300,000 miles (500,000 km), OR maximum 36 months, whichever occurs first<br>[On-Highway Model: VNL]  |                           |  |  |
| <b>Accessory Drive Belt</b>  | 300,000 miles (500,000 km), OR maximum 36 months, whichever occurs first<br>[On-Highway Model: VNL]  |                           |  |  |
| <b>Diesel Particulate Filter (DPF) Ash Cleaning</b>  | 250,000 miles (400,000 km), OR 4500 hours, whichever occurs first<br>[Catalyzed DPF]   |                           |  |  |
| <b>Aftertreatment Fuel Injector Cleaning</b>   | 150,000 miles (240,000 km), Voc. App. 50,000 miles (80,000 km),<br>OR 4500 hours, whichever occurs first   |                           |  |  |
| <b>DPF Electrode &amp; Injector Service (Non-Catalyzed)</b>  | Vocational App. 100,000 miles (160,000 km), OR 2,400 hours, whichever occurs first   |                           |  |  |
| <b>Diesel Exhaust Fluid (DEF) Pump Filter *</b>  | First change 100,000 miles (161,000 km), OR 3200 hours OR 3 years<br>Then 150,000 miles, (241,000 km) - 4800 hours OR 3 years, whichever occurs first.   |                           |  |  |
| <b>(DEF) Tank Filler Neck Filter Cleaning *</b>  | 175,000 miles (280,000 km), OR 12 months, whichever occurs first   |                           |  |  |

THIS INSPECTION FORM IS ONLY A GENERAL GUIDE. PLEASE REFER TO THE APPROPRIATE MAINTENANCE AND LUBRICATION MANUAL FOR YOUR SPECIFIC VEHICLE AS THE AUTHORITATIVE SOURCE FOR ALL DETAILS OF A PROPER AND COMPLETE INSPECTION AND MAINTENANCE PLAN OF YOUR VEHICLE.

New Maintenance Item for EPA 2010

\*\*\* When towing the vehicle, the output shaft of the transmission must not be allowed to spin or turn. If the vehicle is towed with the drive wheels still in contact with the road surface, the vehicle axle shafts or driveline must be removed or disconnected.