

Trucks

DAILY PM CHECKLIST FOR ALL TRUCKS

BEFORE STARTING ENGINE

1. Check the oil, coolant, and power steering fluid levels.
2. Inspect belts, hoses, and front PTO shaft.
3. Check for visible signs of leaking at the radiator, power steering pump, steering gear(s), water pump, engine, and brake master cylinder.
4. Walk around the truck and check for loose lug nuts, low tires, damage to wheels, steering linkage, suspension, air lines, brake chambers, slack adjusters, brake drums, drive shaft, exhaust system, battery box, and frame.
5. Check for visible leaks from the transmission, fuel tank, rear axle housing, wheel seals, and hydraulic system.
6. Drain moisture from air tanks and fuel water separator.
7. Check all lights for operation and clean if necessary to include strobe warning lights.
8. Clean windshield and mirrors.
9. Check clutch free travel.
10. Make sure that parking brake is set and the transmission is in neutral.

START ENGINE

1. Check engine gauges to insure all systems are operating properly.
2. Check operation of air brakes, windshield wipers, 2-way radio, horn, heater/defroster, and adjust mirrors.
3. Check air filter restriction gauge.
4. Check automatic transmission fluid level, if equipped.

Refer to truck operator's manual for any other vehicle specific daily requirements.

AFTER EVERY 50 HOURS OF OPERATION

Lubricate all grease fittings

H PM SERVICE CHECKLIST - WHICH IS PERFORMED EVERY 250 HOURS BETWEEN THE I PM SERVICES

- CHANGE ENGINE OIL AND FILTER
- LUBRICATE ALL GREASE FITTINGS
- CHECK/FILL ALL FLUID LEVELS TO INCLUDE
- BATTERY
- COOLANT SYSTEM
- POWER STEERING
- WASHER FLUID
- MASTER CYLINDER
- TRANSMISSION
- TRANSFER CASE
- DIFFERENTIAL(S)
- HUB OILERS
- HYDRAULIC RESERVOIR
- CHECK ALL LIGHTS
- INSPECT TIRES
- INSPECT AIR BRAKES FOR ADJUSTMENT
- CLEAN BATTERY TERMINALS
- CHECK FRONT WHEELS FOR LOOSE BEARINGS
- INSPECT DIFFERENTIAL LUBE FILTER AND REPLACE IF RUSTED OR CORRODED OTHERWISE REPLACE ANNUALLY
- SAFETY INSPECTION
- DIESEL ENGINES: DCA TEST COOLANT SYSTEM, REPLACE COOLANT FILTER OR ADD CONDITIONER IF NEEDED. IF COOLANT IS EXTENDED LIFE, ADD EXTENDER AT 3 YEARS AND CHANGE COOLANT AT 6 YEARS

I PM SERVICE CHECKLIST - WHICH IS PERFORMED AT 250 HOURS AND EVERY 750 HOURS THEREAFTER

- CHANGE ENGINE OIL AND FILTER
- LUBRICATE ALL GREASE FITTINGS

- CHECK/FILL ALL FLUID LEVELS TO INCLUDE
- BATTERY
- COOLANT SYSTEM
- POWER STEERING (CHANGE FLUID AND FILTER ON MACK TRUCKS)
- WASHER FLUID
- MASTER CYLINDER
- TRANSMISSION
- TRANSFER CASE
- DIFFERENTIAL(S)
- HUB OILERS
- HYDRAULIC RESERVOIR
- CHECK ALL LIGHTS
- INSPECT TIRES
- INSPECT AIR BRAKES FOR ADJUSTMENT
- CLEAN BATTERY TERMINALS
- CHECK FRONT WHEELS FOR LOOSE BEARINGS
- INSPECT DIFFERENTIAL LUBE FILTER AND REPLACE IF RUSTED OR CORRODED OTHERWISE REPLACE ANNUALLY
- CHECK KING PIN ADJUSTMENT (MACK)
- RETORQUE FRONT SPRING U-BOLTS (MACK)
- SAFETY INSPECTION
- DIESEL ENGINES: DCA TEST COOLANT SYSTEM, REPLACE COOLANT FILTER OR ADD CONDITIONER IF NEEDED. IF COOLANT IS EXTENDED LIFE, ADD EXTENDER AT 3 YEARS AND CHANGE COOLANT AT 6 YEARS
- CHANGE AUTO TRANS. FLUID AND FILTER(S) IF EQUIPPED
- INSPECT AIR DRYER AND SERVICE IF NEEDED
- CHECK/REPLACE FUEL FILTERS
- DIESEL ENGINE OIL SAMPLE ANALYSIS IF OVER 5000 HOURS WITH RESULTS OF TEST SENT TO STATE FLEET
- CHANGE HYDRAULIC FILTER
- MANUAL TRANSMISSION DRAIN AND REFILL WITH #50 SYNTHETIC FIRST SERVICE ONLY
- DIFFERENTIAL(S) DRAIN AND REFILL WITH 75-90 SYNTHETIC LUBRICANT FIRST SERVICE ONLY

J PM INSPECTION TO EXERCISE SEASONAL UNITS

All Rotary Snow Plows and FWD Snow Plows

All rotary snow plows and FWDs should be exercised once every 60 days. Exercising should consist of slow and fast idle of about five minutes and the balance of an hour driving on the road. Enter one hour on the vehicle use report and submit.

K PM SERVICE FOR CAT DIESEL ENGINES - WHICH IS PERFORMED ALONG WITH AN H PM SERVICE AT THE ENGINE HOURS LISTED BELOW BASED ON ENGINE MODEL

Cat 3116 Engine Service

1000, 5000, 7000, 11,000, 13,000 hours

- 44-054 Check / Adjust injector timing
- 45-049 Check / Adjust valve lash

2000, 4000, 8000, 10,000, 14,000 hours

- 41-044 Inspect turbo charger
- 41-100 Inspect after cooler
- 42-049 Service coolant system
- 45-100 Inspect vibration damper

3000, 9000, 15000 hours

- 13-022 Inspect air compressor
- 42-049 Inspect water pump
- 42-049 Inspect fan hub and fan clutch
- 44-054 Test injector rack synchronization
- 44-054 Clean, test, calibrate injectors
- 45-049 Check / Adjust valve lash

6000, 12,000 hours

- 13-022 Inspect air compressor
- 41-044 Inspect turbo charger
- 41-100 Inspect after cooler
- 42-049 Service coolant system
- 42-049 Inspect water pump
- 42-049 Inspect fan hub and fan clutch
- 44-054 Check / Adjust injector timing
- 44-054 Clean, test, calibrate injectors

- 45-049 Check / Adjust valve lash
- 45-053 In-frame overhaul (subject to oil consumption and/or analysis)
- 45-100 Inspect vibration damper

Cat C-12 Engine Service

750 hours

- 44-054 Check / Adjust injector preload
- 45-049 Check / Adjust valve lash

4000, 8000, 12,000, 16,000 hours

- 13-022 Inspect air compressor
- 41-044 Inspect turbo charger
- 41-100 Inspect after cooler
- 42-049 Service coolant system
- 42-049 Replace thermostat
- 42-049 Lube fan hub
- 44-054 Check / Adjust injector preload
- 45-049 Check / Adjust valve lash
- 45-100 Inspect vibration damper

L PM SERVICE FOR CUMMINS DIESEL ENGINES - WHICH IS PERFORMED ALONG WITH AN H PM SERVICE AT THE ENGINE HOURS LISTED BELOW BASED ON ENGINE MODEL

Cummins 855, L-10, M-11, N-14 Engine Service

1500, 3000, 4500, 7500, 9000, 10,500, 13,500, 15,000 hours

- 41-044 Check torque on turbo charger mounting bolts
- 44-054 Check / Adjust injector preload
- 45-049 Check / Adjust valve lash
- 45-100 Check torque on engine mounting bolts and inspect mounts

6000, 12,000 hours

- 13-022 Inspect air compressor
- 41-044 Inspect turbo charger
- 41-044 Check torque on turbo charger mounting bolts
- 42-049 Inspect water pump

- 42-049 Service coolant system
- 42-049 Inspect fan hub
- 44-054 Clean, test, and calibrate injectors
- 45-049 Check / Adjust valve lash
- 45-100 Check torque on engine mounting bolts and inspect mounts
- 45-100 Inspect vibration damper
- 45-100 Clean / calibrate STC hydraulic tappets and STC oil control valve(855 & M-11 only)

Cummins B-5.9, C-8.3 Engine Service

1000, 3000, 5000, 7000, 9000, 11,000, 13,000, 15,000 hours

- 42-049 Inspect fan hub
- 45-049 Check / Adjust valve lash

2000, 4000, 6000, 8000, 10,000, 12,000, 14,000 hours

- 42-049 Inspect fan hub
- 42-049 Service coolant system
- 45-049 Check / Adjust valve lash
- 45-100 Inspect vibration damper

Cummins ISM, M-11 PLUS Engine Service

3000, 9000, 15,000 hours

- 44-054 Check / Adjust injector
- 45-049 Check / Adjust valve lash

6000, 12,000 hours

- 13-022 Inspect air compressor
- 41-044 Inspect turbo charger
- 42-049 Service coolant system
- 44-054 Check / Adjust injectors
- 45-049 Check / Adjust valve lash
- 45-100 Inspect vibration damper

M PM SERVICE FOR DETROIT DIESEL ENGINES - PERFORMED ALONG WITH AN H PM SERVICE AT THE ENGINE HOURS LISTED BELOW BASED ON ENGINE MODEL

Detroit 8.2L, 60, 71, 92 Series Engine Service

2000 hours

- 41-044 Inspect Turbo charger
- 44-054 Check / Adjust injectors
- 45-049 Check / Adjust valves
- 45-100 Check and record crankcase and oil pressures (60 series only)

N PM SERVICE FOR FORD DIESEL ENGINES- PERFORMED ALONG WITH AN H PM SERVICE AT THE ENGINE HOURS LISTED BELOW BASED ON ENGINE MODEL

Ford 7.3L, 7.8L, 1460 Engine Service

500 hours

- 45-049 Check / Adjust valve lash

2000, 3500, 6500, 8000, 11,000, 12,500, 15,500 hours

- 42-049 Service coolant system
- 45-049 Check / Adjust valve lash

5000, 9500, 14,000 hours

- 41-044 Inspect turbo charger
- 42-049 Service coolant system
- 44-054 Replace injectors
- 45-049 Check / Adjust valve lash
- 45-100 Inspect / Replace lower engine bearings (subject to oil consumption and/or analysis)

P PM SERVICE FOR INTERNATIONAL DIESEL ENGINES - WHICH IS PERFORMED ALONG WITH AN H PM SERVICE AT THE ENGINE HOURS LISTED BELOW BASED ON ENGINE MODEL

International DT-360, DT-466(E), 530(E) Engine Service

750, 2750, 4750, 6750, 8750, 10750, 12750, 14750 hours

- 45-049 Check/Adjust valves

3750, 11250 hours

- 41-100 Pressure check induction system
- 42-049 Service coolant system
- 45-100 Inspect vibration damper
- 45-100 Measure crankcase pressure

5000, 10,000, 15,000 hours

- 41-100 Measure intake manifold pressure

7500, 15,000 hours

- 41-044 Inspect turbo charger
- 42-049 Service coolant system
- 44-054 Clean, test and calibrate injectors (except E engines)
- 45-100 Inspect vibration damper

9500 hours

- 45-100 Lower bearing replacement (subject to oil consumption and/or oil analysis)

International T444E Engine Service

3750, 11250 hours

- 41-100 Pressure check induction system
- 42-049 Service coolant system
- 45-100 Inspect vibration damper

7500, 15,000 hours

- 41-044 Inspect turbo charger
- 42-049 Service coolant system
- 45-100 Inspect vibration damper

Q PM SERVICE FOR ISUZU DIESEL ENGINES - WHICH IS PERFORMED ALONG WITH AN H PM SERVICE AT THE ENGINE HOURS LISTED BELOW BASED ON ENGINE MODEL

Isuzu TC3.9L Engine Service

3000, 6000,9000,12,000,15,000 hours

- 44-054 Check/Adjust injectors
- 45-049 Check/Adjust valves
- 45-049 Check/Adjust curb idle speed

R PM SERVICE MACK DIESEL ENGINES - WHICH IS PERFORMED ALONG WITH AN H PM SERVICE AT THE ENGINE HOURS LISTED BELOW BASED ON ENGINE MODEL

Mack AMI Engine Service

500 hours

- 45-049 Check/Adjust valves
- 45-049 Check/Adjust curb idle speed

5,000, 9,500, 14,000 hours

- 45-049 Check/Adjust valves
- 45-054 Replace injectors
- 45-044 Inspect turbo charger
- 45-054 Inspect belt tensioner

S PM SERVICE MERCEDES DIESEL ENGINES - WHICH IS PERFORMED ALONG WITH AN H PM SERVICE AT THE ENGINE HOURS LISTED BELOW BASED ON ENGINE MODEL

Mercedes MBE Engine Service

500, 1500, 2500, 3500, 4500, 5500, 6500, 7500, 8500, 9500, 10,500, 11,500, 12,500, 13,500, 14,500 hours

- 45-049 Check/Adjust valves