

# Tech Tip



*From your friends at New York Bus Sales*

- Complaint -** When should engine oil or spark plugs be changed?
- Cause -** As directed by GM as it their engine
- Correction -** Engine oil should be changed every 7500 miles unless oil sampling and recommendations are to extend.(Figure #1)  
Spark plugs are every 100,000 miles and this should be followed as they are considered an “Emission Control” device.(Figure #2)
- Please Note:** Oil may appear to be just fine due to the lack of contamination from carbon but there are other properties of the oil which need to be taken into consideration

Below are the excerpts from the GM operation manual for reference-

## Scheduled Maintenance

The services shown in this schedule up to 100,000 miles (166 000 km) should be repeated after 100,000 miles (166 000 km) at the same intervals for the life of this vehicle. The services shown after 100,000 miles (166 000 km) should be repeated at the same miles (km) after those intervals for the life of this vehicle.

Gasoline engine vehicles and some DURAMAX<sup>®</sup> diesel and Isuzu diesel engine vehicles have a computer that lets you know when to change the engine oil. This is not based on mileage, but on engine operation and engine temperature. When the computer has calculated that the oil needs changing, the Engine Oil Life System will indicate that a change is necessary. See *Engine Oil Life System (Gasoline Engine)* on page 5-38 or *Engine Oil Life System (DURAMAX<sup>®</sup>/Isuzu Diesel Engines)* on page 5-39 or *Engine Oil Life System (Caterpillar<sup>®</sup> Diesel Engine)* on page 5-41.

The “Footnotes” at the end of this Maintenance Schedule further explain maintenance services. See *Service Publications Ordering Information* on page 7-11.

### 100 Miles (160 km)

- Wheel stud nut service. (36)

### 1,000 Miles (1 600 km)

- Wheel stud nut service. (36)
- Rear axle air shift motor service. (10)

### 7,500 Miles (12 000 km)

- Gasoline Engine Only: Check engine oil life system. If engine oil and filter are changed, reset system. See “Engine Oil (Gasoline Engine)” in the Index. (2) (8)
- Check fluid levels (or every 3 months, whichever occurs first). (1) (5)
- Chassis lubrication service (or every 6 months, whichever occurs first). (11)
- Spring-to-axle U-bolts and shackle bolts service. (15)
- Wheels and tires service. (14)
- Hydraulic brake service (or every 6 months, whichever occurs first). (6) (36)
- Parking brake service (or every 6 months, whichever occurs first). (21)
- Air brake service (or every 6 months, whichever occurs first). (32)
- Air brake automatic slack adjuster service (or every 500 hours, whichever occurs first). (33)

**Figure #1**

- Air brake automatic slack adjuster service (or every 500 hours, whichever occurs first). (33)
- Check air brake relay valve operation and check for leaks (or every month, or every 300 hours, whichever occurs first).
- Clean air brake application valve (or every 3 months, or every 300 hours, whichever occurs first). Lubricate linkage.
- Air brake chamber service (or every 2 months, whichever occurs first). (34)

### 100,000 Miles (160 000 km)

- Diesel Only: Inspect engine drive belt; replace as necessary.
- Gasoline Engine Only (Vehicles with GVW of 16,000 lbs or less): Spark plug service. (2) (25)
- Change power steering fluid (or every 36 months, whichever occurs first). (12)
- Replace power steering reservoir filter element (or every 24 months, whichever occurs first).
- Wheel bearing (oil type) service (and whenever hubs are removed). (22) (36)
- Except four-wheel drive: Front axle service. (31)
- Four-wheel drive only: Front axle service. (30)
- Four-wheel drive only: Transfer case service. (30)

- Rear axle service — Eaton®, Rockwell®, Spicer® axles (or every 12 months, whichever occurs first). (30)
- Exhaust brake service, if equipped. Check for excessive spindle free play and smooth operation. Lubricate ball joint cap.
- Inspect air compressor discharge port (or every 6 months or every 1,800 hours, whichever occurs first).
- Manual transmission (ZF 6-speed only) fluid replacement (or every 48 months, whichever occurs first).
- Trailer brake hand control valve service (or every 12 months, or every 3,600 hours, whichever occurs first). (35)

### 120,000 Miles (192 000 km)

- C600, C700, and C800 Gasoline Engines Only: Replace engine drive belts.
- C400 and C500 Gasoline Engines Only: Engine drive belts service (or every 12 months, whichever occurs first). (17)
- DURAMAX® Diesel Only: Diesel Particulate Filter (DPF) service. Then every 100,000 miles (160 000 km). (7) (38)

**Figure #3**

*Thanks to Tom at  
Ballston Spa CS  
for pointing this out!*



*Contact Our Service Department with Any Questions*

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