



# Service Bulletin

Bulletin No.: 19-NA-036

Date: June, 2019

## TECHNICAL

**Subject:** Diagnostic Tip for Oil Consumption and Repair

**This bulletin replaces PIP5382. Please discard PIP5382.**

Brand:	Model:	Model Year:		Vehicles Build Date:		Engine:	Transmission:
		from	to	from	prior to		
Cadillac	Escalade Models	2015	2016	SOP	4.3L (LV3) November 1, 2015 5.3L (L83) July 1, 2015 6.2L (L86) September 1, 2015	L86	
Chevrolet	Silverado Models	2014				LV3, L83, L86	
	Suburban	2015				L83	
	Tahoe	2015				L83	
GMC	Sierra Models	2014				LV3, L83, L86	
	Yukon Models	2014	L83, L86				

<b>Involved Region or Country</b>	North America, Europe, Middle East, Israel, Russia, South America, Japan, China, South Korea and Thailand.
<b>Condition</b>	Some customers may comment on high oil consumption.
<b>Correction</b>	If you are working on one of the above vehicles with excessive oil consumption of 1 qt (0.946 liter) in 2000 miles (3218 kilometers) or 1.5 qts (1.4 liter) in 100 hours for fleet vehicles or more, Refer to the Service Procedure below.

### Service Procedure

#### Oil Consumption Test:

**Note: Not waiting Long Enough After Running Engine to Check Oil Level:**

Some engines require more time than others for the oil to drain back into the crankcase. To ensure a sufficient amount of oil has drained back to the crankcase, and an accurate reading can be obtained, the vehicle should be allowed to sit for at least 15 minutes, after the engine has been shut off, before taking an oil level reading. To ensure accurate results, the temperature of the oil should be close to the same temperature as the last time the oil level was checked.

Many factors can affect a customer's concern with oil consumption. Driving habits and vehicle maintenance vary from owner to owner.

**Note:** During the oil consumption test it is recommended to use top tier fuel (see the latest version of 05-06-04-022) while doing the oil consumption test.

1. Start an oil consumption test:
  - 1.1. Change the oil and filter.
  - 1.2. Fill the engine with the appropriate oil type and quantity. Refer to *Approximate Fluid Capacities and Adhesives, Fluids, Lubricants, and Sealers* in SI.
  - 1.3. Start the engine.
  - 1.4. Run engine.
  - 1.5. Shut off engine.

- 1.6. Check oil level. Refer to owners manual and/or SI.
- 1.7. Mark the oil level on the dipstick.
2. Thoroughly evaluate each case before deciding whether the vehicle in question has abnormal engine oil consumption.
  - If the vehicle was built before the breakpoint shown above and the oil consumption has been validated. It will be necessary to replace the pistons and ring assemblies only under the following conditions:
    - No oil in the dirty air side of the PCV system.
    - Deposits on the spark plugs only.
    - If there is oil in the dirty air side of the PCV system, replace the LOMA (VLOM) on 5.3L (L83) and 6.2L (L86) only. (4.3L (LV3) uses a different VLOM and PCV set up).
    - There will be oil dripping out of the PCV tube in side of the intake manifold.
  - If the vehicle was built after the breakpoint, refer to Oil Consumption Diagnosis in service information for further diagnosis.

### Engine Oil Recommendation:

To ensure proper engine performance and long life, careful attention must be paid to engine oil. Following these simple, but important steps will help protect your investment:

- Use engine oil approved to the proper specification and of the proper viscosity grade. Refer to “Selecting the Right Engine Oil” in this section.
- Check the engine oil level regularly and maintain the proper oil level. Refer to “Checking Engine Oil” and “When to Add Engine Oil” in this section.
- Change the engine oil at the appropriate time. Refer to *Engine oil life system* in SI.
- Always dispose of engine oil properly. Refer to “What to Do with Used Oil” in this section.

### Checking Engine Oil:

It is a good idea to check the engine oil level at each fuel fill. To get an accurate reading, the vehicle must be on level ground. The engine oil dipstick handle is a loop. Refer to Engine Compartment Overview for the location of the engine oil dipstick. If a low oil message displays on the DIC, it is important to park on level ground to accurately measure the oil level on the dipstick. Idling the vehicle on steep grades for a long time can influence the level sensing accuracy. Obtaining an accurate oil level reading is essential.

If the engine has been running recently, turn off the engine and allow several minutes for the oil to drain back into the oil pan. Checking the oil level too soon after engine shutoff will not provide an accurate oil level reading.

**Warning:** *The engine oil dipstick handle may be hot; it could burn you. Use a towel or glove to touch the dipstick handle.*

Pull out the dipstick and wipe it with a clean paper towel or cloth, then push it back in all the way. Remove it again, keeping the tip down, and check the level.

### When to Add Engine Oil:

If the oil is below the cross-hatched area at the tip of the dipstick, add 1 qt (1 liter) of the recommended oil and then recheck the level.

**Caution:** Do not add too much oil. Oil levels above or below the acceptable operating range shown on the dipstick are harmful to the engine. If you find that you have an oil level above the operating range, i.e., the engine has so much oil that the oil level gets above the cross-hatched area that shows the proper operating range, the engine could be damaged. You should drain out the excess oil or limit driving of the vehicle.

## Parts Information

**Note:** Only select the parts that coincide with the repair performed.

Use the latest part number listed in the Electronic Parts Catalog (EPC) with the VIN filter on.

Causal Part	Description	Part Number	Qty
X	PISTON KIT, ENG	Refer to EPC	6 (V6)
			8 (V8)
N/A	BEARING KIT, CONN ROD		8
N/A	Manifold, VLV LFTR OIL		1
N/A	GASKET KIT, CYL HD		1 (V6)
N/A			1 (V8)
N/A	PIPE, FUEL FEED INTER		1
N/A	BOLT, CYL HD (M12X1.75X134)		10 (V6)
N/A	BOLT, CYL HD (M12X1.75X102) (BOLT-HEXFGH)		1 (V8)
N/A	BOLT, CYL HD (M12X1.75X134)		19 (V8)
N/A	BOLT, EXH MANIF (M8X1.25X30.7)		8 (V6)
			10 (V8)
N/A	SEAL, CR/SHF RR OIL		1
N/A	GASKET, CR/SHF RR OIL SEAL HSG		1
N/A	GASKET, W/PMP		1
N/A	SEAL, OIL LVL IND TUBE (O RING)		1
N/A	SEAL, OIL PAN HIGH PRESS PORT		1
N/A	SEAL, OIL PAN FRT		1
N/A	DEFLECTOR, CR/SHF OIL		1 (V6)
			1(V8)
N/A	Oil, Engine	Refer to EPC	

## Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Vehicle	Engine	Labor Time
4086778*	Replace All Pistons and Rings	Escalade	5.3L (L83) prior to July 1, 2015 6.2L (L86) prior to September 1, 2015	21.8 hr
		Suburban		
		Tahoe		
		Yukon		
		Silverado Sierra	4.3L (LV3) prior to November 1, 2015	13.0 hr
			5.3L (L83) prior to July 1, 2015 6.2L (L86) prior to September 1, 2015	21.4 (Base) hr 21.7 (4WD) hr

Labor Operation	Description	Vehicle	Engine	Labor Time
Add	To Recover and Recharge R-1234yf A/C System	All	All	1.2 hr
Add	To Recover and Recharge R-134a A/C System	All	All	0.3 hr
*This is a unique Labor Operation for Bulletin use only.				

<b>Version</b>	4
<b>Modified</b>	Released March 22, 2019 Revised May 07, 2019 - Removed 2017 Model Years and added breakpoints to the Labor Operations section. Revised May 23, 2019 - Added connecting rod bearings to Parts Information section. Revised June 11, 2019 - Add additional parts to the Parts Information section.

