



## Preliminary Information

### PIP5257E Cooling System Contaminated With Engine Oil

#### Models

| Brand:    | Model:        | Model Years: | VIN: |     | Engine:                         | Transmissions: |
|-----------|---------------|--------------|------|-----|---------------------------------|----------------|
|           |               |              | from | to  |                                 |                |
| Buick     | Enclave       | 2010 - 2020  | All  | All | 3.6 LFY, LLT                    | All            |
| Buick     | LaCrosse      | 2010 - 2019  | All  | All | 3.0 LF1, LFW, 3.6 LFX, LGX, LLT | All            |
| Buick     | Allure        | 2010 - 2016  | All  | All | 3.0 LF1, LFW, 3.6 LFX, LLT      | All            |
| Cadillac  | ATS           | 2013 - 2019  | All  | All | 3.6 LF4, LFX, LGX               | All            |
| Cadillac  | CT5           | 2020         | All  | All | 3.0 LGY                         | All            |
| Cadillac  | CT6           | 2016 - 2020  | All  | All | 3.0 LGW, 3.6 LGX                | All            |
| Cadillac  | CTS           | 2010 - 2019  | All  | All | 3.0 LFW, 3.6 LF3, LFX, LGX, LLT | All            |
| Cadillac  | SRX           | 2010 - 2016  | All  | All | 3.6 LFX, LLT                    | All            |
| Cadillac  | XT5           | 2017 - 2020  | All  | All | 3.6 LGX                         | All            |
| Cadillac  | XT6           | 2020         | All  | All | 3.6 LGX                         | All            |
| Cadillac  | XTS           | 2013 - 2019  | All  | All | 3.6 LF3, LFX                    | All            |
| Chevrolet | Blazer        | 2019 - 2020  | All  | All | 3.6 LGX                         | All            |
| Chevrolet | Camaro        | 2010 - 2020  | All  | All | 3.6 LFX, LGX, LLT               | All            |
| Chevrolet | Caprice PPV   | 2012 - 2017  | All  | All | 3.6 LFX                         | All            |
| Chevrolet | Captiva Sport | 2011 - 2018  | All  | All | 3.0 LFW, 3.6 LFX                | All            |
| Chevrolet | Colorado      | 2015 - 2020  | All  | All | 3.6 LFX, LGZ                    | All            |
| Chevrolet | Equinox       | 2010 - 2017  | All  | All | 3.0 LF1, LFW, 3.6 LLT, LFX      | All            |
| Chevrolet | Impala        | 2012 - 2020  | All  | All | 3.6 LFX                         | All            |
| Chevrolet | Traverse      | 2010 - 2020  | All  | All | 3.6 LFY, LLT                    | All            |
| GMC       | Acadia        | 2010 - 2020  | All  | All | 3.6 LGX, LLT                    | All            |
| GMC       | Canyon        | 2015 - 2020  | All  | All | 3.6 LFX, LGZ                    | All            |
| GMC       | Terrain       | 2010 - 2016  | All  | All | 3.0 LF1, LFW, 3.6 LLT, LFX      | All            |

#### Supersession Statement

This PI was superseded to add HFV6 Gen2 equipped models and MY vehicles. Please discard PIP5257C

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

#### Condition / Concern

**A vehicle may be brought in for oil in the cooling system, Oil in the coolant overflow reservoir, or overheat due to coolant blown out of coolant reservoir or too thick to flow. You will normally find a very thick oil in coolant mix in the radiator and coolant overflow reservoir.**

**This condition may be caused by a leakage from the main oil gallery to a water jacket through block porosity or thin wall casting.**

**The average oil pressure is over 60 psi and the coolant pressure is 16 psi.**

Recommendations / Instructions

**If you encounter a vehicle with this concern,**

**First, if equipped, test the oil cooler system for possible leaking into the coolant through the radiator.**

**When checking the oil cooler make sure to use higher pressure (100 PSI) on the oil side of the cooler.**

**If the oil cooler tests good, or the vehicle is not equipped with an oil cooler, then reference this PI and replace the engine as well as all rubber coolant hoses.**

**Flush the radiator and heater core if possible or replace those as needed.**

**Also if equipped flush the rear heater core and replace hoses as needed.**

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        | Labor Time                         |
|-----------------|--------------------|------------------------------------|
| 4067490         | Engine Replacement | Use Published Labor Operation Time |

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.



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