# OIL REPORT

**LAB NUMBER:** K91953 **UNIT ID:** 18 CIVIC SI

**REPORT DATE:** 2/7/2019 **CLIENT ID:** 137859

**CODE:** 63/32 **PAYMENT:** CC: Visa

## UNIT

MAKE/MODEL: Honda 1.5L (L15B7) DI Turbo

FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO:

OIL TYPE & GRADE: Mobil 1 0W/20

OIL USE INTERVAL: 9,500 Miles

## CLIENT

PHONE:

FAX:

ALT PHONE:

EMAIL:

## COMMENTS

Fuel dilution read right at 2.0% in this sample, and that's right at the possible problem threshold. Maybe some of the fuel is just operational or situational, though the fuel is certainly something to monitor carefully as it could show a problem too. The viscosity was fine, and no other contamination was found. Wear levels look quite good compared to averages, which are based on about 4,700 miles on the oil. You're running quite a bit longer and getting just slightly elevated metals, which is great -- your engine is wearing very well. Check back on fuel.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MI/HR on Oil | 9,500 | UNIT / LOCATION AVERAGES | | | | | | UNIVERSAL AVERAGES |
| | MI/HR on Unit | 26,300 | | | | | | | |
| | Sample Date | 1/27/2019 | | | | | | | |
| | Make Up Oil Added | 0 qts | | | | | | | |
| | | | | | | | | | |
| ELEMENTS IN PARTS PER MILLION | ALUMINUM | 13 | 13 | | | | | | 9 |
| | CHROMIUM | 1 | 1 | | | | | | 1 |
| | IRON | 19 | 19 | | | | | | 16 |
| | COPPER | 2 | 2 | | | | | | 3 |
| | LEAD | 0 | 0 | | | | | | 0 |
| | TIN | 0 | 0 | | | | | | 0 |
| | MOLYBDENUM | 152 | 152 | | | | | | 103 |
| | NICKEL | 0 | 0 | | | | | | 0 |
| | MANGANESE | 1 | 1 | | | | | | 1 |
| | SILVER | 0 | 0 | | | | | | 0 |
| | TITANIUM | 0 | 0 | | | | | | 2 |
| | POTASSIUM | 9 | 9 | | | | | | 3 |
| | BORON | 17 | 17 | | | | | | 60 |
| | SILICON | 25 | 25 | | | | | | 25 |
| | SODIUM | 4 | 4 | | | | | | 12 |
| | CALCIUM | 1202 | 1202 | | | | | | 1405 |
| | MAGNESIUM | 440 | 440 | | | | | | 419 |
| | PHOSPHORUS | 647 | 647 | | | | | | 660 |
| | ZINC | 750 | 750 | | | | | | 717 |
| | BARIUM | 0 | 0 | | | | | | 0 |

| | | | Values Should Be* | | | | | |
|---|---|---|---|---|---|---|---|---|
| PROPERTIES | SUS Viscosity @ 210°F | 46.5 | 46-56 | | | | | |
| | cSt Viscosity @ 100°C | 6.19 | 6.0-9.4 | | | | | |
| | Flashpoint in °F | **335** | >375 | | | | | |
| | Fuel % | **2.0** | <2.0 | | | | | |
| | Antifreeze % | 0.0 | 0.0 | | | | | |
| | Water % | 0.0 | 0.0 | | | | | |
| | Insolubles % | 0.4 | <0.6 | | | | | |
| | TBN | | | | | | | |
| | TAN | | | | | | | |
| | ISO Code | | | | | | | |

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

**416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com**