# OIL REPORT

**LAB NUMBER:** [redacted]
**REPORT DATE:** 3/11/2022
**CODE:** 20/698

**UNIT ID:** 19 RDX
**CLIENT ID:** [redacted]
**PAYMENT:** [redacted]

**UNIT**

MAKE/MODEL: Honda 2.0L (K20C) Turbo 4 cyl
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Mobil 1 0W/20
OIL USE INTERVAL: 5,000 Miles

**CLIENT**

[redacted]

**COMMENTS**

KEVIN: This sample looks pretty good overall. The low flashpoint does show fuel dilution in the oil, at 1.8%, but normally that's not a problem. It takes upwards of 2.0% fuel dilution, lingering across a couple samples before we think the fuel is a problem, so let's just see if this is something that persists going forward. In the meantime, the wear metals all look great compared to the universal averages, which, for this engine type are based on a comparable 5,500-mile run. No other contamination turned up and the TBN tested appropriately strong at 3.8. This engine looks fine.

**ELEMENTS IN PARTS PER MILLION**

| | | UNIT / LOCATION AVERAGES | | | | | | UNIVERSAL AVERAGES |
|---|---|---|---|---|---|---|---|---|
| MI/HR on Oil | 5,000 | | | | | | | |
| MI/HR on Unit | 45,352 | | | | | | | |
| Sample Date | 2/19/2022 | | | | | | | |
| Make Up Oil Added | 0 qts | | | | | | | |
| | | | | | | | | |
| ALUMINUM | 4 | 4 | | | | | | 9 |
| CHROMIUM | 0 | 0 | | | | | | 0 |
| IRON | 6 | 6 | | | | | | 12 |
| COPPER | 0 | 0 | | | | | | 4 |
| LEAD | 0 | 0 | | | | | | 0 |
| TIN | 0 | 0 | | | | | | 0 |
| MOLYBDENUM | 80 | 80 | | | | | | 151 |
| NICKEL | 0 | 0 | | | | | | 0 |
| MANGANESE | 0 | 0 | | | | | | 1 |
| SILVER | 0 | 0 | | | | | | 0 |
| TITANIUM | 0 | 0 | | | | | | 4 |
| POTASSIUM | 0 | 0 | | | | | | 2 |
| BORON | 41 | 41 | | | | | | 82 |
| SILICON | 19 | 19 | | | | | | 22 |
| SODIUM | 2 | 2 | | | | | | 8 |
| CALCIUM | 1059 | 1059 | | | | | | 1302 |
| MAGNESIUM | 674 | 674 | | | | | | 602 |
| PHOSPHORUS | 639 | 639 | | | | | | 690 |
| ZINC | 744 | 744 | | | | | | 777 |
| BARIUM | 0 | 0 | | | | | | 0 |

**PROPERTIES**

| | | Values Should Be* | | | | | |
|---|---|---|---|---|---|---|---|
| SUS Viscosity @ 210°F | 47.4 | 46-56 | | | | | |
| cSt Viscosity @ 100°C | 6.47 | 6.0-9.4 | | | | | |
| Flashpoint in °F | **350** | >385 | | | | | |
| Fuel % | 1.8 | <2.0 | | | | | |
| Antifreeze % | 0.0 | 0.0 | | | | | |
| Water % | 0.0 | 0.0 | | | | | |
| Insolubles % | 0.2 | <0.6 | | | | | |
| TBN | 3.8 | >1.0 | | | | | |
| TAN | | | | | | | |
| ISO Code | | | | | | | |

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

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