# OIL REPORT

**LAB NUMBER:**
**REPORT DATE:** 1/9/2018
**CODE:** 146/685

**UNIT ID:** 07 CBR 600RR
**CLIENT ID:**
**PAYMENT:** CC: Visa

**UNIT**

MAKE/MODEL: Honda Motorcycle CBR 600RR
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Motul 300V 10W/40
OIL USE INTERVAL: 4,100 Miles

**CLIENT**

:

**COMMENTS**

Most of the metals look great compared to universal averages, but there is a lot of aluminum here. It can show piston wear/bearing wear, but could also be from any aluminum part in the transmission or even the clutch. Silicon could be dirt, so check air filtration and the intake for any cracks or leaks. It could also be harmless sealer if work was done. Neither the thin viscosity nor trace of fuel is harmful. It's not unusual for motorcycle engines to shear the viscosity a bit. The TBN is fine at 5.8. Check back in 3,000 miles to monitor aluminum.

**ELEMENTS IN PARTS PER MILLION**

| | | UNIT / LOCATION AVERAGES | | | | | | UNIVERSAL AVERAGES |
|---|---|---|---|---|---|---|---|---|
| MI/HR on Oil | 4,100 | | | | | | | |
| MI/HR on Unit | 33,200 | | | | | | | |
| Sample Date | 12/28/2017 | | | | | | | |
| Make Up Oil Added | 0 qts | | | | | | | |
| | | | | | | | | |
| ALUMINUM | **61** | 61 | | | | | | 19 |
| CHROMIUM | 0 | 0 | | | | | | 0 |
| IRON | 21 | 21 | | | | | | 20 |
| COPPER | 4 | 4 | | | | | | 4 |
| LEAD | 2 | 2 | | | | | | 2 |
| TIN | 1 | 1 | | | | | | 1 |
| MOLYBDENUM | 30 | 30 | | | | | | 54 |
| NICKEL | 0 | 0 | | | | | | 0 |
| MANGANESE | 1 | 1 | | | | | | 1 |
| SILVER | 0 | 0 | | | | | | 0 |
| TITANIUM | 0 | 0 | | | | | | 0 |
| POTASSIUM | 0 | 0 | | | | | | 2 |
| BORON | 16 | 16 | | | | | | 91 |
| SILICON | **26** | 26 | | | | | | 13 |
| SODIUM | 2 | 2 | | | | | | 8 |
| CALCIUM | 2149 | 2149 | | | | | | 2242 |
| MAGNESIUM | 9 | 9 | | | | | | 82 |
| PHOSPHORUS | 1044 | 1044 | | | | | | 1054 |
| ZINC | 1166 | 1166 | | | | | | 1215 |
| BARIUM | 0 | 0 | | | | | | 0 |

**PROPERTIES**

| | | Values Should Be* | | | | | |
|---|---|---|---|---|---|---|---|
| SUS Viscosity @ 210° | **63.2** | 65-76 | | | | | |
| cSt Viscosity @ 100°C | **11.12** | 11.6-14.8 | | | | | |
| Flashpoint in °F | **375** | >375 | | | | | |
| Fuel % | TR | <2.0 | | | | | |
| Antifreeze % | 0.0 | 0 | | | | | |
| Water % | 0.0 | 0.0 | | | | | |
| Insolubles % | 0.3 | <0.6 | | | | | |
| TBN | 5.8 | >1.0 | | | | | |
| TAN | | | | | | | |
| ISO Code | | | | | | | |

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

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