## **OIL ANALYSIS REPORT**

### INNOVATION NOT GIVEN VPA056678 - GASOLINE ENGINE

VPA056678 Sample No:

**Oil Type:** MOBIL 1 FORMULA 15W50

#### SAMPLE INFORMATION VPA056678 Sample Number 07 Aug 2023 Sample Date Machine Hours 0 **Oil Hours** 1 US 34243 Oil Changed N/A Sample Status SEVERE **OIL CONDITION** Τ· F: Visc @ 100°C 16.73 cSt Base Number (BN) mg KOH/g 14.9 Oxidation (PA) % 12 CONTAMINATION 2.02 Water % % Soot % 0.1 Nitration (PA) % 12 Sulfation (PA) % 7 Glycol % NEG Fuel % <1.0 Silicon 76 ppm Sodium 19 ppm Potassium ppm 6 WEAR METALS Iron 21 ppm 48 Copper ppm Lead 14 ppm Tin ppm ■ <1 Aluminum ppm 4 Chromium 4 ppm 65 Molybdenum ppm Nickel ■ <1</p> ppm Titanium ppm <1 Silver ■ <1 ppm Manganese ppm 1 Vanadium ppm <1 **ADDITIVES** Calcium 988 ppm 579 Magnesium ppm Zinc ppm 1034 Phosphorus ppm 965 Barium 0 🔲 ppm Boron ppm 90 Depot: Unique No:



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#### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil is no longer serviceable due to the presence of contaminants.

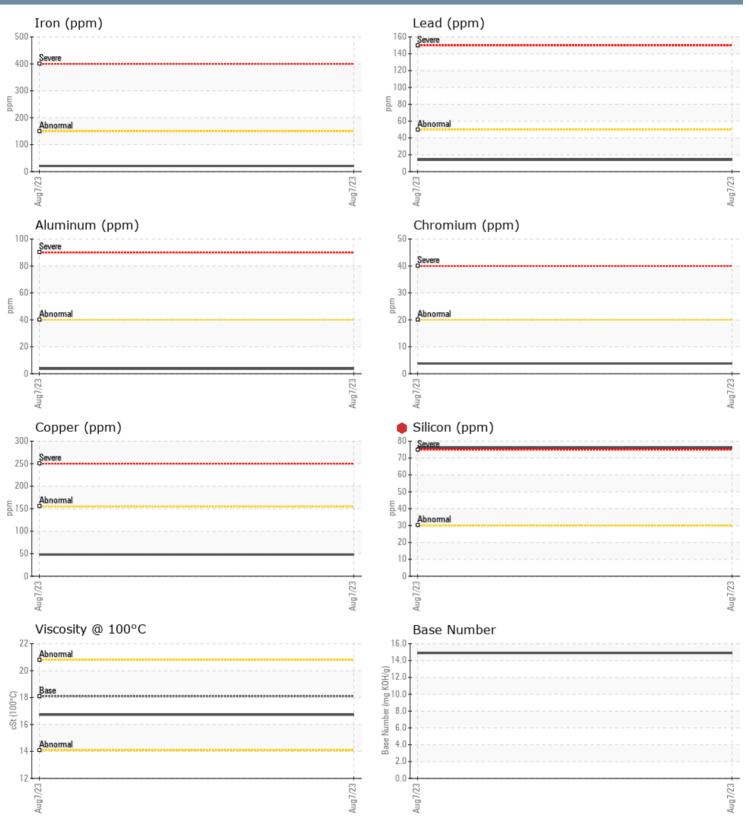
VP10661 10591902 Signed: Jonathan Hester **Report Date:** 14 Aug 2023

Contact/Location: STEVE KOPKE - VP10661

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#### GRAPHS



Contact/Location: STEVE KOPKE - VP10661