## **OIL ANALYSIS REPORT**

### 15194 CRUSADER 650511 - STARBOARD GASOLINE ENGINE

**Sample No:** VPA060959

Oil Type: {unknown}

#### SAMPLE INFORMATION VPA060959 Sample Number 02 Feb 2024 Sample Date Machine Hours 878 **Oil Hours** 0 Oil Changed Not Changd SEVERE Sample Status **OIL CONDITION** Τ· F: 11.3 Visc @ 100°C cSt Base Number (BN) mg KOH/g 8.1 Oxidation (PA) % 21 CONTAMINATION Water % NEG % Soot % 0.2 Nitration (PA) % 14 Sulfation (PA) % 17 Glycol % NEG Fuel % <1.0 Silicon **32** ppm Sodium **4918** ppm Potassium **A** 250 ppm WEAR METALS 1048 🛑 Iron ppm Copper ppm 120 Lead ppm 4 Tin 0 ppm Aluminum 🛑 110 ppm Chromium 4 ppm Molybdenum 9 ppm Nickel 4 ppm Titanium ppm <1 0 Silver ppm Manganese 8 ppm Vanadium ppm 0 **ADDITIVES** Calcium 1699 ppm 887 Magnesium ppm Zinc ppm 950 Phosphorus ppm 727 Barium 5 ppm Boron ppm 105 Depot:

 Depot:
 VP151520

 Unique No:
 10863247

 Signed:
 Jonathan Hester

 Report Date:
 08 Feb 2024

W J Clark Inc 4517 Dunning Road

NORFOLK, VA US 23518 Contact: WALTER CLARK ychtfixer@aol.com T:

#### Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Piston and cylinder wear is indicated. Sodium and/or potassium levels are high. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

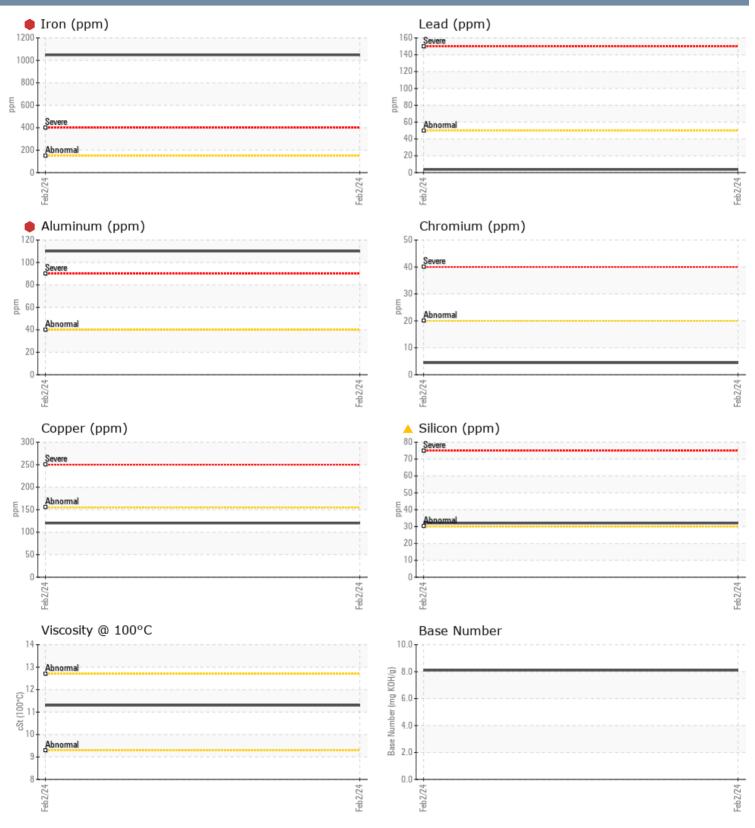


Contact/Location: WALTER CLARK - VP151520

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#### GRAPHS



Report Id: VP151520 [WUSCAR] 06081156 (Generated: 02/08/2024 10:46:34) Rev: 1

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