OIL ANALYSIS REPORT

DAVID JOHNSTONE DAVID JOHNSTONE - STARBOARD DIESEL ENGINE

Sample No: VPA050695

Oil Type: CATALYS SAE 30

SAMPLE INFORMATION VPA050695 VPA050552 Sample Number 08 Jul 2024 Sample Date 25 Jun 2024 Machine Hours 20 0 20 0 **Oil Hours** Oil Changed Not Changd N/A NORMAL Sample Status ABNORMAL **OIL CONDITION** Visc @ 40°C cSt ---**A** 89.0 cSt ▲ 11.1 Visc @ 100°C 11.0 Viscosity Index (VI) Scale **1**11 Oxidation (PA) % 31 32 CONTAMINATION Water % NEG NEG Soot % % 0.7 0.7 Nitration (PA) % 39 40 % Sulfation (PA) 41 43 Glycol % NEG NEG % Fuel <1.0 **1**.9 Silicon 18 19 ppm Sodium ppm **4** 5 Potassium 2 2 ppm WEAR METALS Iron ppm 73 71 12 13 Copper ppm Lead 5 4 ppm **A** 27 Tin ppm 23 Aluminum 2 ppm 2 4 Chromium 3 ppm Molybdenum 23 26 ppm Nickel ppm ■ <1 < 1 Titanium 1 1 ppm 0 < 1 Silver ppm Manganese 1 ppm 1 Vanadium 0 0 ppm **ADDITIVES** Calcium 2141 2272 ppm Magnesium ppm 59 68 Zinc ppm 875 927 Phosphorus ppm 802 844 Barium ppm 0 < 1 Boron ppm 1 2



Bridgeview Marine Services PO Box 22044, Twin Lake Postal Outlet SARNIA, ON CA N7S 6J4 Contact: Keegan Wade keegan@bvms.ca T: (519)339-0454

Diagnosis

F:

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP627399

 Unique No:
 5812138

 Signed:
 Kevin Marson

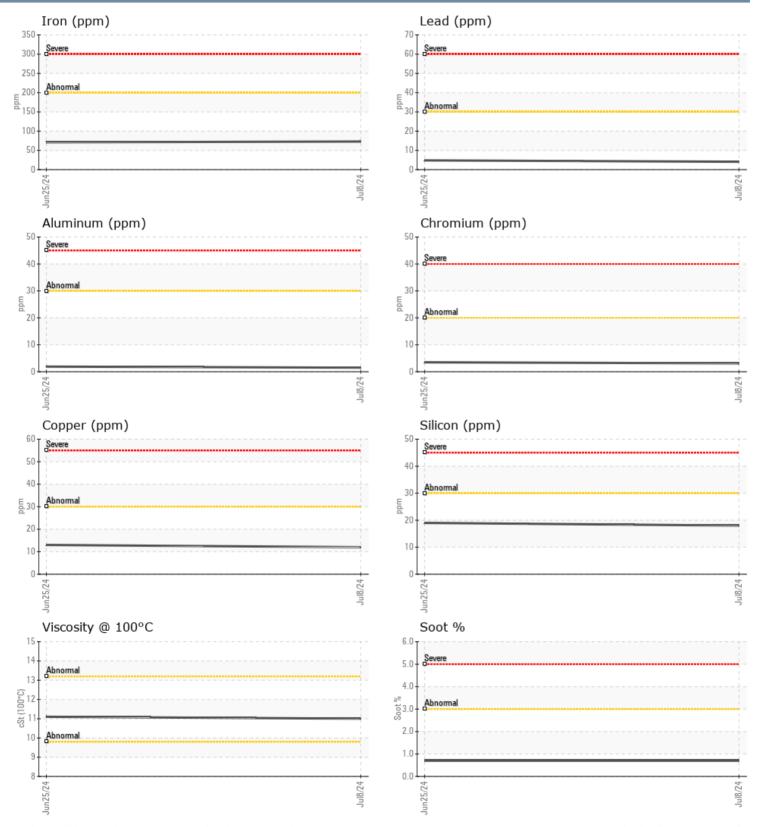
 Report Date:
 09 Jul 2024

Submitted By: Keegan Wade

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GRAPHS



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