OIL ANALYSIS REPORT

HMCS MARGRET BROOK THALES VOLVO PENTA A771064 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA060700

Oil Type: GEAR OIL SAE 90

SAMPLE INFORMATION VPA060700 Sample Number WESTERN BRANCH DIESEL Sample Date 21 Jan 2024 6881 BULLDOG DR N Machine Hours 97 CHARLESTON, SC 0 **Oil Hours** US 29406 Oil Changed Changed Contact: MICHAEL JORDAN SEVERE Sample Status mdiordan@wbdiesel.com T: **OIL CONDITION** F: Visc @ 40°C cSt 108 Diagnosis CONTAMINATION We advise that you check for the % 5.00 Water source of water entry. The oil change Silicon ppm **10** at the time of sampling has been Sodium **276** ppm noted. We recommend an early Potassium ppm 10 resample to monitor this condition.Gear wear is indicated. WEAR METALS Appearance is unacceptable There is a high concentration of water present PO 27 in the oil. The high sodium (Na) level Iron ppm indicates the possible presence of Copper 2 salt water. There is a high amount of ppm visible silt present in the sample. The Lead 0 ppm oil is no longer serviceable due to the Tin ■ <1 ppm presence of contaminants. Aluminum ppm Chromium ppm 4 1 Molybdenum ppm Nickel ppm 4 Titanium ppm <1 Silver 0 ppm Manganese 6 ppm Vanadium 0 ppm **ADDITIVES** Calcium 29 ppm Magnesium ppm 39 Zinc ppm 30 Phosphorus ppm 1236 Barium ppm 0 Boron 294 ppm



 Depot:
 VP1165983

 Unique No:
 10846419

 Signed:
 Jonathan Hester

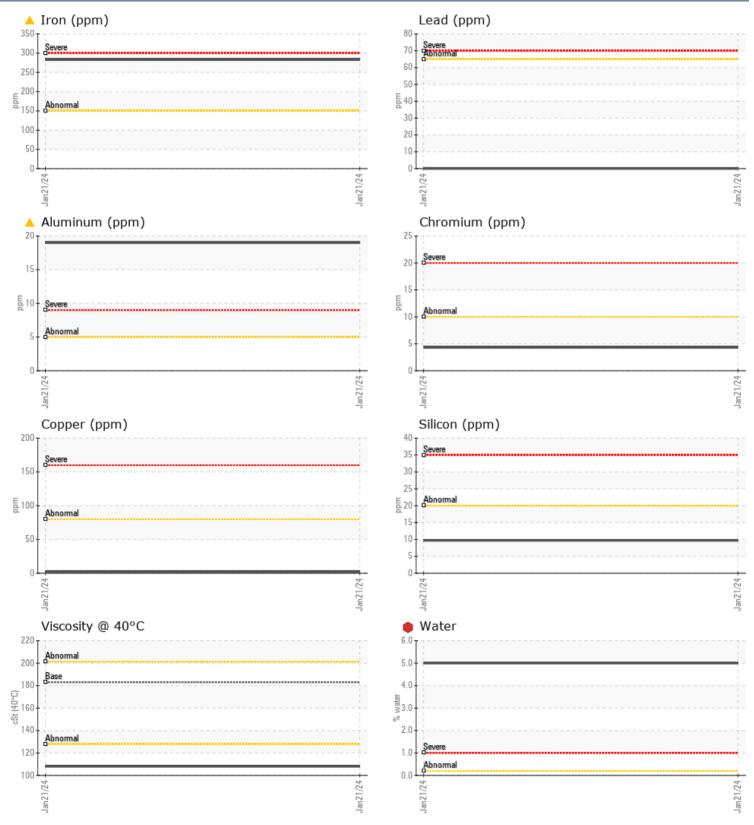
 Report Date:
 26 Jan 2024

Contact/Location: MICHAEL JORDAN - VP1165983

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GRAPHS



Report Id: VP1165983 [WUSCAR] 06069742 (Generated: 01/26/2024 14:51:39) Rev: 1

Contact/Location: MICHAEL JORDAN - VP1165983