OIL ANALYSIS REPORT

NOT GIVEN VPA050915 - ZEUS - STARBOARD GEARBOX

Sample No: VPA050915

Oil Type: GEAR OIL SAE 90

SAMPLE INFORMATION VPA050915 Sample Number Sample Date 31 Jan 2024 Machine Hours 0 0 **Oil Hours** Oil Changed N/A SEVERE Sample Status **OIL CONDITION** F: Visc @ 40°C cSt 164.7 CONTAMINATION % **0.198** Water Silicon 256 ppm Sodium 24 ppm Potassium ppm 10 WEAR METALS PO **190** 478 Iron ppm Copper 10 ppm Lead 4 ppm Tin 1 ppm 10 Aluminum ppm Chromium ppm 2 39 Molybdenum ppm 5 🔲 Nickel ppm Titanium ppm <1 Silver ppm <1 Manganese 5 ppm Vanadium <1 ppm **ADDITIVES** Calcium 41 ppm Magnesium ppm 7 Zinc ppm 38 Phosphorus ppm 237 Barium ppm 0 Boron ppm **4**



ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2 NAPLES, FL US 34104 Contact: KEITH SPICER keith_advanceddiesel@yahoo.com T: (239)580-8731

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants and wear.

 Depot:
 VPADVNAP

 Unique No:
 10860853

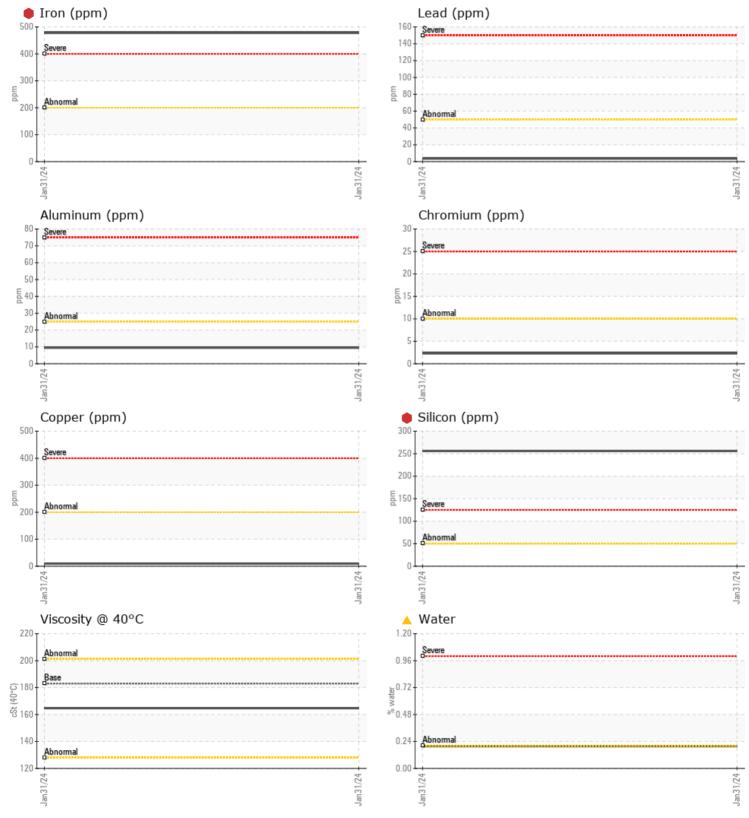
 Signed:
 Doug Bogart

 Report Date:
 02 Feb 2024

OIL ANALYSIS REPORT



GRAPHS



Report Id: VPADVNAP [WUSCAR] 06078762 (Generated: 02/02/2024 16:44:11) Rev: 1

Contact/Location: KEITH SPICER - VPADVNAP