OIL ANALYSIS REPORT

ZF 0671678 - INBOARD - PORT GEARBOX

Sample No:	VPA060491
Oil Type:	SAE 30W

SAMPLE INFORMATION Sample Number VPA060491 09 Oct 2023 Sample Date Machine Hours 656 **Oil Hours** 0 Not Changd Oil Changed SEVERE Sample Status **OIL CONDITION** Visc @ 40°C cSt 83.2 CONTAMINATION Silicon ppm 9 Sodium ppm 3 Potassium 2 ppm WEAR METALS PO 33 Iron 53 ppm • 1100 Copper ppm Lead ppm 156 Tin ppm **1**4 8 Aluminum ppm Chromium ppm **||** <1 Molybdenum 12 ppm Nickel 19 ppm 2 Titanium ppm Silver 0 ppm Manganese 2 ppm Vanadium 0 ppm **ADDITIVES** Calcium 277 ppm Magnesium 1192 ppm Zinc ppm 1082 Phosphorus ppm 1046 Barium 2 ppm 53 Boron ppm



FLORIDA DETROIT DIESEL - 531006 - 1125774

1128 CHESTNUT AVE PANAMA CITY, FL US 32401 Contact: RICHARD ROBERTS ri.roberts@ssss.com T: (850)763-7656 F:

Diagnosis

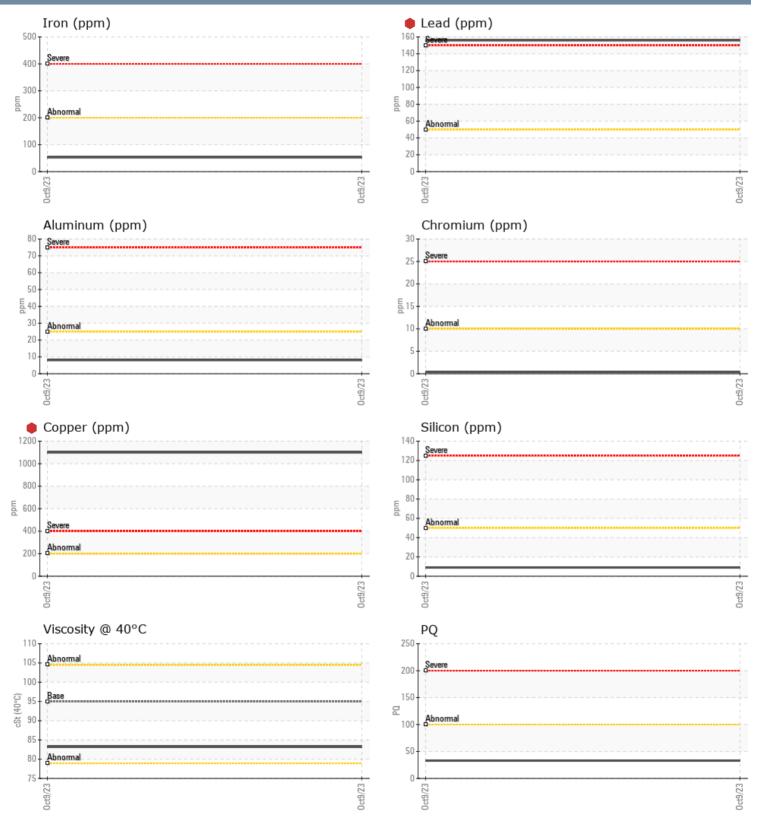
We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Clutch and/or bushing/bearing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:VPFLOPANUnique No:10688032Signed:Jonathan HesterReport Date:13 Oct 2023

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GRAPHS



Contact/Location: RICHARD ROBERTS - VPFLOPAN