OIL ANALYSIS REPORT

ROBERT SINGER VINCE D ZF HURTH 51230097384 - INBOARD - CENTER GEARBOX

Sample No: VPA048609

Oil Type: CHEVRON ATF

SAMPLE INFORMATION Sample Number VPA048609 27 Jul 2023 Sample Date Machine Hours 27 27 **Oil Hours** Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 40°C cSt 31.4 CONTAMINATION Silicon ppm Sodium ppm **4** Potassium 1 ppm WEAR METALS PO 44 Iron 75 ppm Copper ppm 23 Lead ppm 1 Tin ppm **||** <1 5 Aluminum ppm Chromium ppm **||** <1 Molybdenum <1 ppm Nickel 0 🔲 ppm Titanium ppm <1 Silver 0 ppm Manganese 2 ppm Vanadium <1 ppm **ADDITIVES**



North Harbor Diesel Inc

720 30Th Street ANACORTES, WA US 98221 Contact: ROBBIN MURDOCK robbin@northharbordiesel.com T: (360)299-1904 F:

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal for OEM. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

 Depot:
 VP179089

 Unique No:
 10586744

 Signed:
 Doug Bogart

 Report Date:
 06 Aug 2023

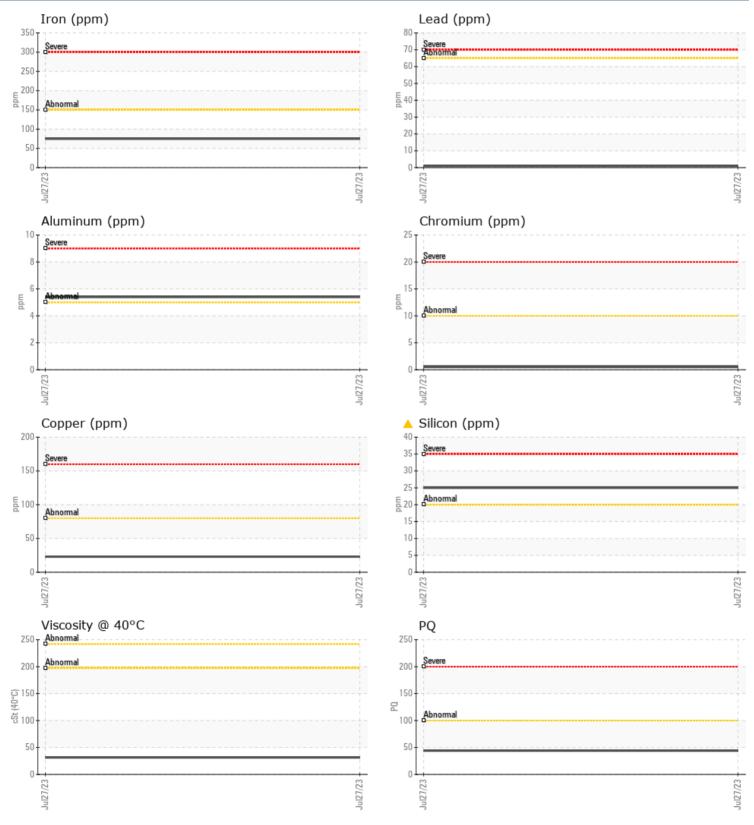
Contact/Location: ROBBIN MURDOCK - VP179089



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP179089 [WUSCAR] 05914830 (Generated: 08/08/2023 09:11:01) Rev: 1

Contact/Location: ROBBIN MURDOCK - VP179089