OIL ANALYSIS REPORT

VOLVO PENTA

ZF 42069R - INBOARD - STARBOARD GEARBOX

Sample No: VPA020413

Oil Type: SHELL ROTELLA T 40

SAMPLE INFORMATION Sample Number VPA020413 Sample Date 12 Sep 2023 Machine Hours 664 100 **Oil Hours** Oil Changed Changed ABNORMAL Sample Status **OIL CONDITION** Visc @ 40°C cSt 103 CONTAMINATION Silicon ppm 7 Sodium ppm 37 Potassium 4 ppm WEAR METALS PO 28 Iron 38 ppm Copper ppm **476** Lead ppm **172** Tin ppm **||** <1 3 Aluminum ppm Chromium ppm **||** <1 Molybdenum 78 ppm Nickel **||** <1 ppm Titanium ppm <1 Silver 0 ppm Manganese ppm ■ <1 Vanadium 0 ppm ADDITIVES Calcium 2713 ppm Magnesium 39 ppm Zinc ppm 910 Phosphorus ppm 935 Barium 0 🔲 ppm 65 Boron ppm

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Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Copper and lead ppm levels are abnormal. 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.

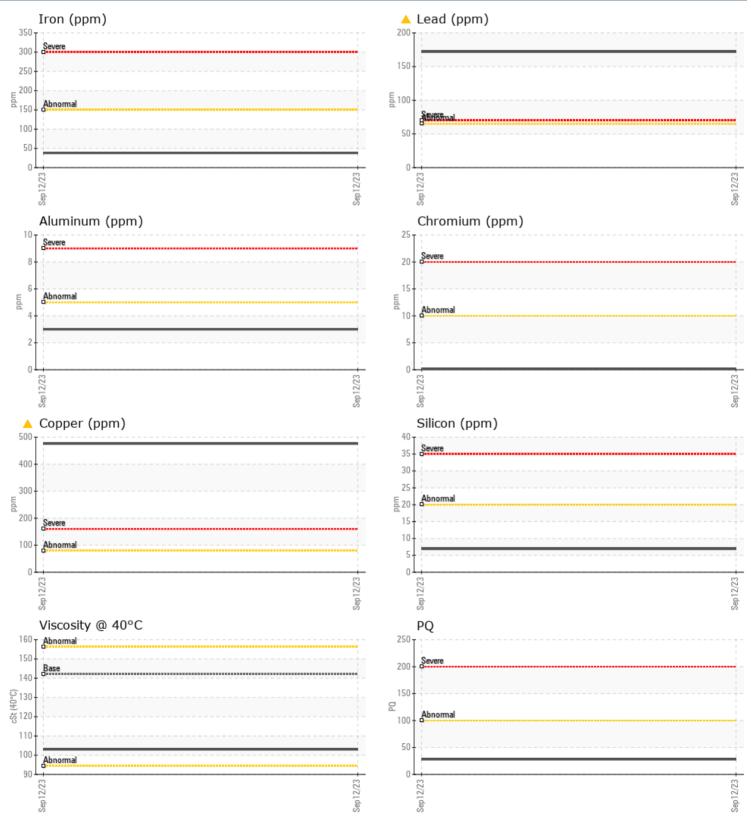
Depot:	CARHILSC
Unique No:	10658407
Signed:	Angela Borella
Report Date:	22 Sep 2023

Contact/Location: KEVIN JACKSON - CARHILSC

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GRAPHS



Report Id: CARHILSC [WUSCAR] 05957194 (Generated: 09/25/2023 10:04:20) Rev: 1

Contact/Location: KEVIN JACKSON - CARHILSC