## **OIL ANALYSIS REPORT**

### DAVID KIRK CUMMINS G160974341 - GENSET

Sample No: VPA059809

**Oil Type:** SHELL ROTELLA T 15W40

#### SAMPLE INFORMATION Sample Number VPA059809 VPA044810 29 Oct 2023 Sample Date 22 Nov 2022 Machine Hours 0 0 0 0 **Oil Hours** Oil Changed Changed Changed NORMAL Sample Status NORMAL **OIL CONDITION** Visc @ 100°C cSt 14.0 14.3 Base Number (BN) mg KOH/g 9.3 8.1 Oxidation (PA) % 63 72 CONTAMINATION 0.1 Soot % % 0.1 % Nitration (PA) 47 57 Sulfation (PA) % 54 61 % Glycol NEG NEG Fuel % <1.0 <1.0 Silicon ppm 4 6 Sodium 2 3 ppm Potassium ppm 6 🔲 8 WEAR METALS Iron ppm 2 6 Copper 0 🔲 2 ppm Lead ppm 0 1 Tin 0 <1 ppm < 1 Aluminum ppm ■ <1 <1 Chromium 0 ppm Molybdenum 4 ppm 0 Nickel 0 < 1 ppm Titanium 0 < 1 ppm Silver ppm 0 <1 Manganese **||** <1 < 1 ppm Vanadium 0 0 ppm **ADDITIVES** Calcium 1862 2243 ppm Magnesium 78 50 ppm **1054** Zinc ppm 1263 Phosphorus ppm 975 1005 Barium ppm 4 0 Boron ppm 196 193

VOLVO PENTA

**BAY MARINE** 

3 E MADISON ST WAUKEGAN, IL US 60085 Contact: BRENDAN COWHEY brendan@baymarine.net T: (847)336-2628 F:

### Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VP1174336

 Unique No:
 10715315

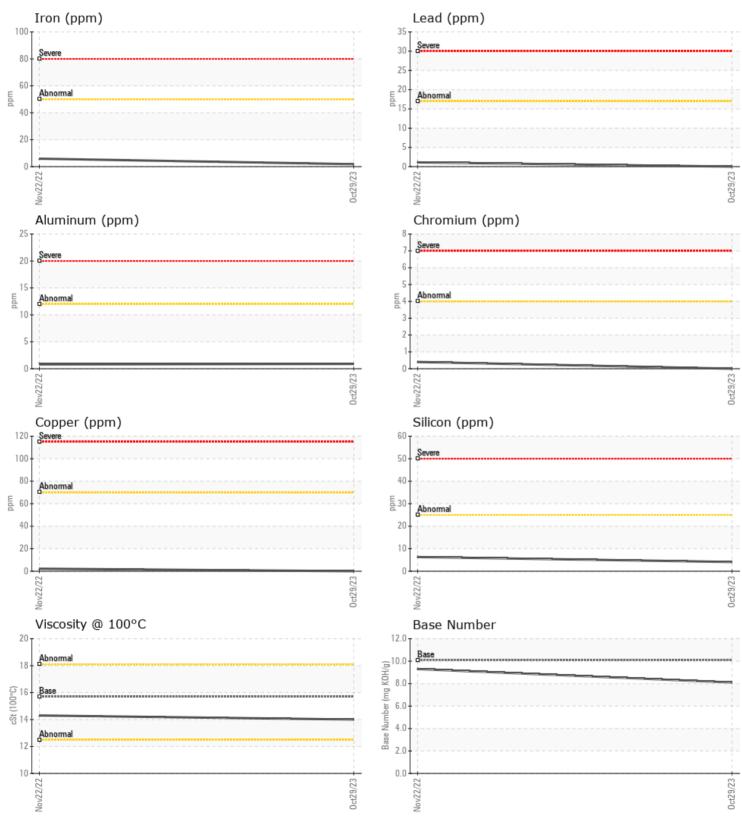
 Signed:
 Don Baldridge

 Report Date:
 31 Oct 2023

# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP1174336 [WUSCAR] 05992653 (Generated: 10/31/2023 13:53:51) Rev: 1

Contact/Location: BRENDAN COWHEY - VP1174336