

OIL ANALYSIS REPORT

**VOLVO
PENTA**

CRAIG KIRKLAND - SURRENDERED LIFE MB ONAN K190675202 - CENTER GENSET

Sample No: VPA060334

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA060334	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	1633	---	---	---
Oil Hours	253	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

FLORIDA DETROIT DIESEL - 531006 - 1125774
1128 CHESTNUT AVE
PANAMA CITY, FL
US 32401
Contact: RICHARD ROBERTS
ri.roberts@kirbycorp.com
T: (850)763-7656
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	61	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 4	---	---	---

Diagnosis

No corrective action is recommended at this time. 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 acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 642	---	---	---
Magnesium	ppm	█ 564	---	---	---
Zinc	ppm	█ 769	---	---	---
Phosphorus	ppm	█ 616	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VPFLOPAN
Unique No: 10710521
Signed: Doug Bogart
Report Date: 27 Oct 2023

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

