

# OIL ANALYSIS REPORT



## 8182 VOLVO PENTA A1100581 - DIESEL ENGINE

Sample No: VPA053049

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA053049	VPA032212	---	---
Sample Date	05 Jul 2024	11 Oct 2022	---	---
Machine Hours	852	601	---	---
Oil Hours	100	150	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### CULLEN DIESEL POWER

2454 HAYES RD

NANAIMO, BC

CA V9T 3M3

Contact: Joe Straughan

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### OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	█ 13.1	---	---
Oxidation (PA)	%	█ 53	█ 58	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	█ 44	█ 49	---	---
Sulfation (PA)	%	█ 50	█ 57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 2	█ 4	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ <1	█ <1	---	---

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	█ 13	█ 11	---	---
Copper	ppm	█ 5	█ 7	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 3	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 63	█ 61	---	---
Nickel	ppm	█ 2	█ 2	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	█ 0	█ 0	---	---

### ADDITIVES

Calcium	ppm	█ 1080	█ 1119	---	---
Magnesium	ppm	█ 986	█ 986	---	---
Zinc	ppm	█ 1238	█ 1237	---	---
Phosphorus	ppm	█ 1114	█ 1135	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 3	█ 3	---	---

Depot: CULNAN

Unique No: 5813560

Signed: Kevin Marson

Report Date: 16 Jul 2024

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# VOLVO PENTA

## GRAPHS

