

OIL ANALYSIS REPORT

VOLVO PENTA

8018 1008575195 - CENTER MAIN ENGINE

Sample No: VPA053188

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA053188	---	---	---
Sample Date	27 May 2024	---	---	---
Machine Hours	508	---	---	---
Oil Hours	508	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

CULLEN DIESEL POWER

2454 HAYES RD

NANAIMO, BC

CA V9T 3M3

Contact: Joe Straughan

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F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.5	---	---	---
Oxidation (PA)	%	77	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.7	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	■ 8	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 31	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	1570	---	---	---
Magnesium	ppm	597	---	---	---
Zinc	ppm	■ 975	---	---	---
Phosphorus	ppm	■ 857	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	47	---	---	---

Depot: CULNAN

Unique No: 5788909

Signed: Kevin Marson

Report Date: 07 Jun 2024

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GRAPHS

