

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA A193858 - PORT DIESEL ENGINE

Sample No: VPA054229

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA054229	---	---	---
Sample Date	23 May 2024	---	---	---
Machine Hours	426	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	MARGINAL	---	---	---

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.73	---	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	56	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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.

WEAR METALS

Iron	ppm	█ 26	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 16	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	▲ 26	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 55	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1228	---	---	---
Magnesium	ppm	█ 917	---	---	---
Zinc	ppm	█ 1283	---	---	---
Phosphorus	ppm	█ 1050	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 13	---	---	---

Depot: VP705283
Unique No: 11047675
Signed: Doug Bogart
Report Date: 24 May 2024

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GRAPHS

