

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 2204206372 - STARBOARD DIESEL ENGINE

Sample No: VPA047585

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA047585	---	---	---
Sample Date	09 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	MARGINAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.68	---	---	---
Base Number (BN)	mg KOH/g	█ 8.3	---	---	---
Oxidation (PA)	%	█ 51	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 47	---	---	---
Sulfation (PA)	%	█ 48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	▲ 26	---	---	---
Sodium	ppm	█ 29	---	---	---
Potassium	ppm	█ 8	---	---	---

WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 11	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 20	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	█ <1	---	---	---

ADDITIVES

Calcium	ppm	█ 1818	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 1027	---	---	---
Phosphorus	ppm	█ 876	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 117	---	---	---

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. No other contaminants were detected 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.

Depot: VP153457
Unique No: 10742559
Signed: Doug Bogart
Report Date: 15 Nov 2023

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GRAPHS

