

OIL ANALYSIS REPORT

VOLVO PENTA

MARK GEORGE DOUG VOLVO PENTA A1 106498 - PORT DIESEL ENGINE

Sample No: VPA051162

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA051162	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	128	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

ADMIRALTY MARINE

2775 KURTZ ST, STE 12

SAN DIEGO, CA

US 92110

Contact: Terry Albee

TALBEE@ADMIRALTYMARINE.NET

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 10.3	---	---	---
Oxidation (PA)	%	59	---	---	---

Diagnosis

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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ < 1	---	---	---

WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 56	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1172	---	---	---
Magnesium	ppm	█ 875	---	---	---
Zinc	ppm	█ 1260	---	---	---
Phosphorus	ppm	█ 1072	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 10	---	---	---

Depot: VP151529

Unique No: 10822424

Signed: Don Baldrige

Report Date: 11 Jan 2024

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GRAPHS

