

OIL ANALYSIS REPORT

VOLVO PENTA

JOHN ARENDSHORST VOLVO PENTA A1158630 - STARBOARD DIESEL ENGINE

Sample No: VPA056794

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA056794	---	---	---
Sample Date	15 Dec 2023	---	---	---
Machine Hours	127	---	---	---
Oil Hours	127	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 10.0	---	---	---
Oxidation (PA)	%	58	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 10	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1157	---	---	---
Magnesium	ppm	█ 860	---	---	---
Zinc	ppm	█ 1270	---	---	---
Phosphorus	ppm	█ 1095	---	---	---
Barium	ppm	█ < 1	---	---	---
Boron	ppm	█ 11	---	---	---

YACHT BASIN MARINA

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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 suitable for further service.

Depot: VP718610
Unique No: 10802512
Signed: Angela Borella
Report Date: 22 Dec 2023

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GRAPHS

