

OIL ANALYSIS REPORT

VOLVO PENTA

DANIEL LUCHTERHAND 502060 MITSUBISHI 241319NA - GENSET

Sample No: VPA055768

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA055768	---	---	---
Sample Date	18 Jul 2023	---	---	---
Machine Hours	544	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Endor Marine LLC - Coastal Marine - 152124

4300 11th Ave. NW

SEATTLE, WA

US 98107

Contact: WILLOW YANARELLA

service@coastalmarineengine.com

T: (206)784-3703

F: (206)784-8823

OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	10.2	---	---	---
Oxidation (PA)	%	57	---	---	---

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.

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ < 1	---	---	---

WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 54	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1271	---	---	---
Magnesium	ppm	█ 909	---	---	---
Zinc	ppm	█ 1356	---	---	---
Phosphorus	ppm	█ 1100	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 11	---	---	---

Depot: VP794951

Unique No: 10575252

Signed: Don Baldrige

Report Date: 28 Jul 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

