

OIL ANALYSIS REPORT

VOLVO PENTA

MICHAEL ELDRIDGE SAM KOHLER 336KGMFN007 - GENSET

Sample No: VPA059180

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059180	VPA056571	---	---
Sample Date	05 Mar 2024	23 May 2023	---	---
Machine Hours	274	138	---	---
Oil Hours	136	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	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	█ 13.2	█ 13.7	---	---
Base Number (BN)	mg KOH/g	█ 9.8	9.0	---	---
Oxidation (PA)	%	76	70	---	---

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	NEG	---	---
Soot %	%	█ 0	█ 0	---	---
Nitration (PA)	%	50	59	---	---
Sulfation (PA)	%	58	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 16	---	---
Sodium	ppm	█ 3	█ 9	---	---
Potassium	ppm	█ 0	█ 4	---	---

WEAR METALS

Iron	ppm	█ 9	█ 20	---	---
Copper	ppm	█ 2	█ 10	---	---
Lead	ppm	█ 0	█ 1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 2	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 49	59	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 0	<1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 1	6	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	█ 1461	991	---	---
Magnesium	ppm	█ 705	1023	---	---
Zinc	ppm	█ 1038	1255	---	---
Phosphorus	ppm	█ 834	1000	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 48	68	---	---

Depot: VP794951
Unique No: 10915302
Signed: Don Baldrige
Report Date: 10 Mar 2024

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GRAPHS

