

OIL ANALYSIS REPORT

VOLVO PENTA

JOE FRANCO MAN 69013420821337 - PORT DIESEL ENGINE

Sample No: VPA060207

Oil Type: MOBIL DELVAC 1 5W40

SAMPLE INFORMATION

Sample Number	VPA060207	VPA039988	---	---
Sample Date	05 Oct 2023	15 Nov 2021	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 6.0	---	---	---
Oxidation (PA)	%	169	167	---	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	63	71	---	---
Sulfation (PA)	%	96	97	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 3	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 2	█ 0	---	---

WEAR METALS

Iron	ppm	█ 41	█ 26	---	---
Copper	ppm	█ 9	█ 16	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 10	█ 3	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	█ 56	█ 39	---	---
Nickel	ppm	█ 2	█ 0	---	---
Titanium	ppm	█ <1	<1	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1132	1429	---	---
Magnesium	ppm	█ 1038	█ 752	---	---
Zinc	ppm	█ 1474	█ 1182	---	---
Phosphorus	ppm	█ 1224	█ 1011	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 185	█ 135	---	---

BAY MARINE

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T:

F:

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.

Depot: VP1174336

Unique No: 10683855

Signed: Don Baldrige

Report Date: 10 Oct 2023

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GRAPHS

