

OIL ANALYSIS REPORT

VOLVO PENTA

BUCCHEIT TOM VOLVO PENTA A184803 - PORT DIESEL ENGINE

Sample No: VPA056343
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA056343	---	---	---
Sample Date	13 Oct 2023	---	---	---
Machine Hours	608	---	---	---
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
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	57	---	---	---

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

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.

WEAR METALS

Iron	ppm	█ 38	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 9	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 19	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 43	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1101	---	---	---
Magnesium	ppm	█ 722	---	---	---
Zinc	ppm	█ 1084	---	---	---
Phosphorus	ppm	█ 888	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 22	---	---	---

Depot: VP151529
Unique No: 10696482
Signed: Don Baldrige
Report Date: 17 Oct 2023

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GRAPHS

