

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ALEX PROK TOM VOLVO PENTA 7008473019 - STARBOARD DIESEL ENGINE

Sample No: VPA052448

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA052448	VPA047857	---	---
Sample Date	25 Dec 2023	25 May 2023	---	---
Machine Hours	357	348	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	█ 13.8	---	---
Base Number (BN)	mg KOH/g	█ 10.3	█ 10.4	---	---
Oxidation (PA)	%	61	60	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	45	48	---	---
Sulfation (PA)	%	52	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 10	█ 11	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 0	█ <1	---	---

### WEAR METALS

Iron	ppm	█ 14	█ 11	---	---
Copper	ppm	█ 14	█ 12	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 3	█ 5	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 46	█ 56	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 1197	█ 1261	---	---
Magnesium	ppm	█ 795	█ 885	---	---
Zinc	ppm	█ 1106	█ 1217	---	---
Phosphorus	ppm	█ 873	█ 1015	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 18	█ 23	---	---

### ADMIRALTY MARINE

2775 KURTZ ST, STE 12

SAN DIEGO, CA

US 92110

Contact: Terry Albee

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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 suitable for further service.

Depot: VP151529

Unique No: 10805124

Signed: Doug Bogart

Report Date: 27 Dec 2023

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## GRAPHS

