

OIL ANALYSIS REPORT

**VOLVO
PENTA**

ALEX PROK TOM ONAN I180403540 - GENSET

Sample No: VPA052453

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA052453	VPA047858	---	---
Sample Date	22 Dec 2023	25 May 2023	---	---
Machine Hours	611	608	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

ADMIRALTY MARINE

2775 KURTZ ST, STE 12

SAN DIEGO, CA

US 92110

Contact: Terry Albee

TALBEE@ADMIRALTYMARINE.NET

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OIL CONDITION

Visc @ 100°C	cSt	13.4	13.5	---	---
Base Number (BN)	mg KOH/g	9.9	10.1	---	---
Oxidation (PA)	%	63	62	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	47	44	---	---
Sulfation (PA)	%	53	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	5	---	---
Sodium	ppm	19	1	---	---
Potassium	ppm	0	<1	---	---

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.

WEAR METALS

Iron	ppm	3	4	---	---
Copper	ppm	2	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	52	64	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1154	1197	---	---
Magnesium	ppm	831	930	---	---
Zinc	ppm	1091	1187	---	---
Phosphorus	ppm	839	985	---	---
Barium	ppm	0	0	---	---
Boron	ppm	39	43	---	---

Depot: VP151529

Unique No: 10805122

Signed: Doug Bogart

Report Date: 27 Dec 2023

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GRAPHS

