

OIL ANALYSIS REPORT



SODANO ALAN VOLVO PENTA 7011319964 - PORT DIESEL ENGINE

Sample No: VPA055222

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA055222	VPA046044	VPA033804	---
Sample Date	27 Nov 2023	28 Nov 2022	01 Dec 2020	---
Machine Hours	617	537	341	---
Oil Hours	79	98	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Precision Marine Center Llc
 290 Drake Ave
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 US 10805
 Contact: Marc Castellano
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 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	12.7	13.2	13.7	---
Base Number (BN)	mg KOH/g	9.6	11.4	---	---
Oxidation (PA)	%	56	59	67	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.3	0.1	0.2	---
Nitration (PA)	%	47	44	53	---
Sulfation (PA)	%	53	56	58	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	5	4	---
Sodium	ppm	1	<1	2	---
Potassium	ppm	0	2	6	---

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	4	2	6	---
Copper	ppm	18	5	13	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	0	0	0	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	55	57	2	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	1139	1101	2395	---
Magnesium	ppm	946	954	27	---
Zinc	ppm	1236	1256	1128	---
Phosphorus	ppm	1076	1012	1086	---
Barium	ppm	0	0	0	---
Boron	ppm	3	4	201	---

Depot: VP850387
Unique No: 10765876
Signed: Don Baldrige
Report Date: 03 Dec 2023

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GRAPHS

