

OIL ANALYSIS REPORT

VOLVO PENTA

SITN PRETTY VOLVO PENTA 2006008905 - PORT DIESEL ENGINE

Sample No: VPA059497
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059497	VPA046372	VPA030121	---
Sample Date	20 Nov 2023	28 Feb 2023	09 Feb 2022	---
Machine Hours	974	927	0	---
Oil Hours	47	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 100°C	cSt	13.4	13.6	13.6	---
Base Number (BN)	mg KOH/g	9.7	10.1	10.9	---
Oxidation (PA)	%	75	73	80	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	73	74	77	---
Sulfation (PA)	%	58	58	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	5	5	---
Sodium	ppm	<1	1	1	---
Potassium	ppm	<1	1	<1	---

WEAR METALS

Iron	ppm	3	3	5	---
Copper	ppm	5	4	6	---
Lead	ppm	2	2	3	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	58	53	57	---
Nickel	ppm	<1	<1	2	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	2	0	---
Manganese	ppm	<1	1	<1	---
Vanadium	ppm	<1	<1	0	---

ADDITIVES

Calcium	ppm	1068	1078	1102	---
Magnesium	ppm	1010	931	970	---
Zinc	ppm	1360	1242	1282	---
Phosphorus	ppm	995	965	1066	---
Barium	ppm	0	0	0	---
Boron	ppm	6	<1	5	---

CHICAGO YACHT WORKS
 2550 S ASHLAND AVE
 CHICAGO, IL
 US 60608
 Contact: JONATHAN PAIGE
 jonathan@chicagoyachtworks.com
 T: (312)666-6670
 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: VP1080862
Unique No: 10755174
Signed: Jonathan Hester
Report Date: 27 Nov 2023

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GRAPHS

