

OIL ANALYSIS REPORT



VOLVO PENTA 2006022250 - PORT DIESEL ENGINE

Sample No: VPA058171

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA058171	VPA04282224	VPA009726	---
Sample Date	08 Mar 2024	09 Aug 2017	07 Dec 2016	---
Machine Hours	1356	532	526	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
Contact: SERVICE MANAGER
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OIL CONDITION

Visc @ 100°C	cSt	13.53	14.12	14.79	---
Base Number (BN)	mg KOH/g	9.2	---	---	---
Oxidation (PA)	%	67	40	56	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.3	0	0.1	---
Nitration (PA)	%	68	42	67	---
Sulfation (PA)	%	57	44	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	4	9	---
Sodium	ppm	3	4	12	---
Potassium	ppm	0	0	2	---

Diagnosis

No corrective action is recommended at this time. 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	11	47	86	---
Copper	ppm	5	2	2	---
Lead	ppm	4	0	<1	---
Tin	ppm	1	<1	1	---
Aluminum	ppm	4	4	6	---
Chromium	ppm	<1	1	3	---
Molybdenum	ppm	62	51	47	---
Nickel	ppm	<1	<1	2	---
Titanium	ppm	0	2	18	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	1047	929	1405	---
Magnesium	ppm	995	793	757	---
Zinc	ppm	1291	944	1202	---
Phosphorus	ppm	1085	864	935	---
Barium	ppm	0	0	0	---
Boron	ppm	3	11	60	---

Depot: VP705283
Unique No: 10923581
Signed: Doug Bogart
Report Date: 11 Mar 2024

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GRAPHS

