

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 7011402509 - PORT DIESEL ENGINE

Sample No: VPA059998

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA059998	VPA055930	---	---
Sample Date	23 Jan 2024	16 May 2023	---	---
Machine Hours	226	213	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
Contact: SERVICE MANAGER
info@suncoastdmi.com
T: (941)342-0033
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.55	█ 12.7	---	---
Base Number (BN)	mg KOH/g	█ 9.8	█ 9.9	---	---
Oxidation (PA)	%	54	53	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.2	---	---
Nitration (PA)	%	46	48	---	---
Sulfation (PA)	%	51	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 5	---	---
Sodium	ppm	█ 1	█ 1	---	---
Potassium	ppm	█ 0	█ 0	---	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 8	█ 7	---	---
Copper	ppm	█ 15	█ 15	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 55	█ 60	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 983	█ 1124	---	---
Magnesium	ppm	█ 916	█ 942	---	---
Zinc	ppm	█ 1188	█ 1228	---	---
Phosphorus	ppm	█ 1014	█ 1015	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ <1	█ 1	---	---

Depot: VP705283
Unique No: 10847557
Signed: Doug Bogart
Report Date: 25 Jan 2024

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GRAPHS

