

OIL ANALYSIS REPORT



VOLVO PENTA A345386 - PORT DIESEL ENGINE

Sample No: VPA050796

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA050796	VPA039593	---	---
Sample Date	01 Feb 2024	21 Nov 2022	---	---
Machine Hours	774	597	---	---
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	13.6	14.5	---	---
Base Number (BN)	mg KOH/g	9.2	10.2	---	---
Oxidation (PA)	%	55	66	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.3	---	---
Nitration (PA)	%	46	59	---	---
Sulfation (PA)	%	49	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	3	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 suitable for further service.

WEAR METALS

Iron	ppm	7	11	---	---
Copper	ppm	2	2	---	---
Lead	ppm	0	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	52	9	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1057	2037	---	---
Magnesium	ppm	794	149	---	---
Zinc	ppm	1069	1141	---	---
Phosphorus	ppm	930	991	---	---
Barium	ppm	0	0	---	---
Boron	ppm	14	165	---	---

Depot: VP705283
Unique No: 10874259
Signed: Sean Felton
Report Date: 14 Feb 2024

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VOLVO PENTA

GRAPHS

