

OIL ANALYSIS REPORT

VOLVO PENTA

SURVEY - SEAVER SURVEY-SEAVER VOLVO PENTA A901951 - STARBOARD DIESEL ENGINE

Sample No: VPA057288

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA057288	---	---	---
Sample Date	08 Jul 2024	---	---	---
Machine Hours	330	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Suncoast Diesel Marine Inc.

610 Mount Vernan St
OLDSMAR, FL
US 34677
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OIL CONDITION

Visc @ 100°C	cSt	█ 14.67	---	---	---
Base Number (BN)	mg KOH/g	8.3	---	---	---
Oxidation (PA)	%	70	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 9	---	---	---

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	█ 32	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 18	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2386	---	---	---
Magnesium	ppm	█ 37	---	---	---
Zinc	ppm	█ 1155	---	---	---
Phosphorus	ppm	█ 865	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 194	---	---	---

Depot: VP945077
Unique No: 11116244
Signed: Doug Bogart
Report Date: 10 Jul 2024

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GRAPHS

