

OIL ANALYSIS REPORT

VOLVO PENTA

TONY OLSON 505733 VOLVO PENTA 700845385 - PORT DIESEL ENGINE

Sample No: VPA062114

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA062114	---	---	---
Sample Date	20 Mar 2024	---	---	---
Machine Hours	1158	---	---	---
Oil Hours	175	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

Jefferson Beach Yacht Sales Inc

24400 Jefferson Ave.
SAINT CLAIR SHORES, MI
US 48080

Contact: CORT CORINO
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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	57	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The high sodium (Na) level indicates the possible presence of salt water. The condition of the oil is acceptable for the time in service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 1.1	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	● 98	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 17	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1055	---	---	---
Magnesium	ppm	█ 914	---	---	---
Zinc	ppm	█ 1199	---	---	---
Phosphorus	ppm	█ 1007	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 5	---	---	---

Depot: VP297371

Unique No: 10943350

Signed: Jonathan Hester

Report Date: 02 Apr 2024

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GRAPHS

