

OIL ANALYSIS REPORT



JEFF ENGLER ENGLER VOLVO PENTA 7008464757 - PORT DIESEL ENGINE

Sample No: VPA056403
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA056403	---	---	---
Sample Date	21 Mar 2024	---	---	---
Machine Hours	376	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Jefferson Beach Yacht Sales Inc
 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
 Contact: DAVID LESH
 DLESH@JBYS.COM
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	57	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 2	---	---	---

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	█ 39	---	---	---
Copper	ppm	█ 84	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 67	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 2	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

Diagnosis

ADDITIVES

Calcium	ppm	█ 1135	---	---	---
Magnesium	ppm	█ 997	---	---	---
Zinc	ppm	█ 1258	---	---	---
Phosphorus	ppm	█ 975	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: VP297371
Unique No: 10954141
Signed: Don Baldrige
Report Date: 03 Apr 2024

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VOLVO PENTA

GRAPHS

