

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 2006038780 - STARBOARD DIESEL ENGINE

Sample No: VPA036977

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

SAMPLE INFORMATION

Sample Number	VPA036977	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	435	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Jas Marine Service Inc.

1009 Newman RD.

LAKE PARK, FL

US 33403

Contact: DEBBIE

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.69	---	---	---
Oxidation (PA)	%	65	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 1	---	---	---

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	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 7	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1101	---	---	---
Magnesium	ppm	█ 990	---	---	---
Zinc	ppm	█ 1286	---	---	---
Phosphorus	ppm	█ 1051	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ < 1	---	---	---

Depot: VP152963

Unique No: 11074518

Signed: Doug Bogart

Report Date: 11 Jun 2024

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GRAPHS

