

OIL ANALYSIS REPORT

VOLVO PENTA

TIM BISHOP NICK VOLVO PENTA A1204762 - CENTER DIESEL ENGINE

Sample No: VPA059662

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

SAMPLE INFORMATION

Sample Number	VPA059662	---	---	---
Sample Date	30 Oct 2023	---	---	---
Machine Hours	32	---	---	---
Oil Hours	32	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

Precision Marine Center Llc

290 Drake Ave

NEW ROCHELLE, NY

US 10805

Contact: Marc Castellano

marc@precisionmarinecenter.com

T:

F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 10.3	---	---	---
Oxidation (PA)	%	60	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 26	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 61	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1298	---	---	---
Magnesium	ppm	887	---	---	---
Zinc	ppm	█ 1327	---	---	---
Phosphorus	ppm	█ 1083	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 20	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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.

Depot: VP850387

Unique No: 10727195

Signed: Don Baldrige

Report Date: 07 Nov 2023

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GRAPHS

