

OIL ANALYSIS REPORT

VOLVO PENTA

ROBERT SINGER VINCE D/501441 VOLVO PENTA A 1198293 - CENTER DIESEL ENGINE

Sample No: VPA048610

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA048610	---	---	---
Sample Date	27 Jul 2023	---	---	---
Machine Hours	27	---	---	---
Oil Hours	27	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

North Harbor Diesel Inc
720 30Th Street
ANACORTES, WA
US 98221
Contact: ROBBIN MURDOCK
robbin@northharbordiesel.com
T: (360)299-1904
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 10.3	---	---	---
Oxidation (PA)	%	76	---	---	---

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.

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1576	---	---	---
Magnesium	ppm	438	---	---	---
Zinc	ppm	█ 1023	---	---	---
Phosphorus	ppm	█ 900	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 76	---	---	---

Depot: VP179089
Unique No: 10586108
Signed: Jonathan Hester
Report Date: 04 Aug 2023

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GRAPHS

