

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URCIUOLI MIKE PEYTAN VOLVO PENTA 4110190677 - CENTER GASOLINE ENGINE

Sample No: VPA059548

Oil Type: VOLVO 10W40

SAMPLE INFORMATION

Sample Number	VPA059548	---	---	---
Sample Date	08 Jan 2024	---	---	---
Machine Hours	1049	---	---	---
Oil Hours	1049	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Helmut's Marine Service

619 Canal Street
SAN RAFAEL, CA
US 94901-3545
Contact: NADINE URCIUOLI
SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	15	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	10	---	---	---
Sulfation (PA)	%	13	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 42	---	---	---
Copper	ppm	█ 125	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	41	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1981	---	---	---
Magnesium	ppm	94	---	---	---
Zinc	ppm	914	---	---	---
Phosphorus	ppm	766	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	128	---	---	---

Depot: VP152741

Unique No: 10832027

Signed: Jonathan Hester

Report Date: 17 Jan 2024

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GRAPHS

