

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URUIOLI PHILLIE VOLVO PENTA 4110181926 - CENTER GASOLINE ENGINE

Sample No: VPA051896

Oil Type: VOLVO

SAMPLE INFORMATION

Sample Number	VPA051896	---	---	---
Sample Date	25 Mar 2024	---	---	---
Machine Hours	841	---	---	---
Oil Hours	841	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 15.76	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	9	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	7	---	---	---
Sulfation (PA)	%	9	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 16	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	39	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1707	---	---	---
Magnesium	ppm	9	---	---	---
Zinc	ppm	765	---	---	---
Phosphorus	ppm	629	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Helmut's Marine Service
619 Canal Street
SAN RAFAEL, CA
US 94901-3545
Contact: NADINE URUIOLI
SERVICE@HELMUTSMARINE.COM
T: x:
F: x:

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.

Depot: VP152741
Unique No: 10963034
Signed: Jonathan Hester
Report Date: 10 Apr 2024

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GRAPHS

