

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URCIUOLI LUZAICH VOLVO PENTA A 1099937 - STARBOARD IPS

Sample No: VPA045780

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA045780	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
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 @ 40°C	cSt	█ 107	---	---	---
-------------	-----	-------	-----	-----	-----

CONTAMINATION

Silicon	ppm	<1	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		█ 15	---	---	---
Iron	ppm	█ 24	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 12	---	---	---
Magnesium	ppm	82	---	---	---
Zinc	ppm	█ 0	---	---	---
Phosphorus	ppm	█ 1371	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 348	---	---	---

Depot: VP152741

Unique No: 10606324

Signed: Don Baldrige

Report Date: 17 Aug 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

