

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URUIOLI ERIC BROWN VOLVO PENTA 3950008467 - STARBOARD IPS

Sample No: VPA061273

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA061273	---	---	---
Sample Date	19 Jun 2024	---	---	---
Machine Hours	219	---	---	---
Oil Hours	219	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

Helmut's Marine Service

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

T: x:

F: x:

OIL CONDITION

Visc @ 40°C	cSt	█ 104	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 6	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		█ 16	---	---	---
Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	16	---	---	---
Magnesium	ppm	█ 201	---	---	---
Zinc	ppm	█ 0	---	---	---
Phosphorus	ppm	█ 1442	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 333	---	---	---

Depot: VP152741

Unique No: 11101980

Signed: Don Baldrige

Report Date: 01 Jul 2024

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GRAPHS

