

OIL ANALYSIS REPORT

VOLVO PENTA

DARELL KRASNOFF 503109 UR09 VOLVO PENTA 3194007833 - PORT IPS

Sample No: VPA052337

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA052337	VPA049686	---	---
Sample Date	08 Feb 2024	26 Sep 2023	---	---
Machine Hours	611	604	---	---
Oil Hours	0	604	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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	█ 107	█ 110	---	---
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CONTAMINATION

Water	%	NEG	▲ 0.218	---	---
Silicon	ppm	7	8	---	---
Sodium	ppm	█ 0	█ 1	---	---
Potassium	ppm	█ <1	█ 0	---	---

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		█ 5	█ 20	---	---
Iron	ppm	█ 6	█ 37	---	---
Copper	ppm	1	3	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ <1	█ 0	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1	█ 7	---	---
Magnesium	ppm	█ 1	█ 4	---	---
Zinc	ppm	█ 0	█ 0	---	---
Phosphorus	ppm	█ 1256	█ 1509	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 293	█ 339	---	---

Depot: VP152741

Unique No: 10883376

Signed: Don Baldrige

Report Date: 17 Feb 2024

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GRAPHS

