

OIL ANALYSIS REPORT



DARELL KRASNOFF 503109 UR09 VOLVO PENTA 3194007832 - STARBOARD IPS

Sample No: VPA052332

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA052332	VPA059229	---	---
Sample Date	08 Feb 2024	26 Sep 2023	---	---
Machine Hours	607	604	---	---
Oil Hours	0	604	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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	108	110	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	7	10	---	---
Sodium	ppm	0	4	---	---
Potassium	ppm	<1	<1	---	---

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		4	15	---	---
Iron	ppm	2	11	---	---
Copper	ppm	1	3	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	1	3	---	---
Chromium	ppm	<1	0	---	---
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	2	1	---	---
Zinc	ppm	0	0	---	---
Phosphorus	ppm	1250	1528	---	---
Barium	ppm	0	0	---	---
Boron	ppm	294	335	---	---

Depot: VP152741

Unique No: 10883375

Signed: Don Baldrige

Report Date: 17 Feb 2024

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**VOLVO
PENTA**

GRAPHS

