

OIL ANALYSIS REPORT



HAVLICHECK CLINT THOMPSON VOLVO PENTA 51220284005 - INBOARD - PORT GEARBOX

Sample No: VPA055958
Oil Type: VOLVO DEXRON ATF

SAMPLE INFORMATION

Sample Number	VPA055958	VPA032326	VPA032845	---
Sample Date	22 Nov 2023	08 Feb 2021	05 Oct 2020	---
Machine Hours	2642	2350	2346	---
Oil Hours	2642	4	403	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	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	27.7	28.2	26.4	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	2	3	---
Sodium	ppm	0	<1	<1	---
Potassium	ppm	0	0	10	---

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		36	48	132	---
Iron	ppm	46	87	400	---
Copper	ppm	15	14	24	---
Lead	ppm	3	8	54	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	<1	3	---
Vanadium	ppm	0	0	<1	---

ADDITIVES

Calcium	ppm	4	28	7	---
Magnesium	ppm	0	3	3	---
Zinc	ppm	12	6	7	---
Phosphorus	ppm	139	157	131	---
Barium	ppm	0	0	0	---
Boron	ppm	62	62	58	---

Depot: VP152741
Unique No: 10768639
Signed: Don Baldrige
Report Date: 06 Dec 2023

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**VOLVO
PENTA**

GRAPHS

