

OIL ANALYSIS REPORT

VOLVO PENTA

PETER SCHEIN PETER SCHEIN VELVET DRIVE PETER SCHEIN - STERNDRIVE (S/N NOT GIVEN) - STARBOARD GEARBOX

Sample No: VPA051676

Oil Type: W1 TMD40A

SAMPLE INFORMATION

Sample Number	VPA051676	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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	21.5	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	30	---	---	---
Potassium	ppm	7	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

WEAR METALS

PQ		15	---	---	---
Iron	ppm	43	---	---	---
Copper	ppm	217	---	---	---
Lead	ppm	106	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	44	---	---	---
Magnesium	ppm	19	---	---	---
Zinc	ppm	96	---	---	---
Phosphorus	ppm	155	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	42	---	---	---

Depot: VP152741

Unique No: 10928626

Signed: Sean Felton

Report Date: 19 Mar 2024

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GRAPHS

