

OIL ANALYSIS REPORT

VOLVO PENTA

ANDREW KWOK KWOK VOLVO PENTA 3940018604 - STARBOARD IPS

Sample No: VPA059238

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA059238	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Harry's Marine Service LLC

1141 N. Citrus St.

Orange, CA

US 92887

Contact: TARAH AULD

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T: (714)771-7899

F:

OIL CONDITION

Visc @ 40°C	cSt	108.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	134	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	3	---	---	---

Diagnosis

No corrective action is recommended at this time. 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		21	---	---	---
Iron	ppm	44	---	---	---
Copper	ppm	11	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	0	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	23	---	---	---
Phosphorus	ppm	1434	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	316	---	---	---

Depot: VP867279

Unique No: 10780900

Signed: Doug Bogart

Report Date: 11 Dec 2023

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GRAPHS

