

OIL ANALYSIS REPORT

VOLVO PENTA

3940027430 - STARBOARD IPS

Sample No: VPA060970

Oil Type: VOLVO 70W90

SAMPLE INFORMATION

Sample Number	VPA060970	---	---	---
Sample Date	24 Jan 2024	---	---	---
Machine Hours	645	---	---	---
Oil Hours	10	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

CHARLES KIEHL

9581 27TH BAY ST
NORFOLK, VA
US 23518

Contact: CHARLES KIEHL
cwkiehl@gmail.com

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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 105	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	13	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 5	---	---	---

WEAR METALS

PQ		■ 19	---	---	---
Iron	ppm	■ 44	---	---	---
Copper	ppm	9	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	12	---	---	---
Magnesium	ppm	25	---	---	---
Zinc	ppm	15	---	---	---
Phosphorus	ppm	1436	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	323	---	---	---

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.

Depot: VPCHANOR

Unique No: 10979090

Signed: Sean Felton

Report Date: 17 Apr 2024

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GRAPHS

