

OIL ANALYSIS REPORT

VOLVO PENTA

JAY BURDETTE VOLVO PENTA 3940016070 - STARBOARD IPS

Sample No: VPA058353
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA058353	VPA048012	---	---
Sample Date	27 Mar 2024	14 Nov 2022	---	---
Machine Hours	577	498	---	---
Oil Hours	80	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

North Harbor Diesel Inc
720 30Th Street
ANACORTES, WA
US 98221
Contact: ED MCFARLIN
ed@northharbordiesel.com
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 106	█ 108	---	---
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CONTAMINATION

Water	%	NEG	▲ 0.700	---	---
Silicon	ppm	9	█ 15	---	---
Sodium	ppm	█ 5	█ 35	---	---
Potassium	ppm	█ 0	█ 0	---	---

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		█ 24	█ 16	---	---
Iron	ppm	█ 75	● 246	---	---
Copper	ppm	█ 8	█ 16	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	4	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ <1	█ 2	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ 3	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 0	█ 13	---	---
Magnesium	ppm	█ 0	█ 11	---	---
Zinc	ppm	█ 0	█ 26	---	---
Phosphorus	ppm	█ 1450	█ 1296	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 335	█ 261	---	---

Depot: VP179089
Unique No: 10957173
Signed: Sean Felton
Report Date: 05 Apr 2024

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GRAPHS

