

OIL ANALYSIS REPORT

VOLVO PENTA

ED RICHARDS SAM/502036 VOLVO PENTA 3940015557 - STARBOARD IPS

Sample No: VPA055643

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055643	VPA047796	VPA048131	---
Sample Date	05 Jul 2023	07 Dec 2022	03 May 2022	---
Machine Hours	1071	1036	984	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	110	109	106	---
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CONTAMINATION

Silicon	ppm	5	7	9	---
Sodium	ppm	<1	1	3	---
Potassium	ppm	0	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		17	17	26	---
Iron	ppm	43	41	68	---
Copper	ppm	0	3	5	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	2	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	0	2	4	---
Magnesium	ppm	1	2	17	---
Zinc	ppm	0	5	1	---
Phosphorus	ppm	1391	1367	1349	---
Barium	ppm	0	0	0	---
Boron	ppm	318	327	304	---

Depot: VP794951
Unique No: 10552274
Signed: Don Baldrige
Report Date: 13 Jul 2023

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GRAPHS

