

OIL ANALYSIS REPORT

VOLVO PENTA

DON CONANT VOLVO PENTA 3940022010 - STARBOARD IPS

Sample No: VPA049786

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049786	VPA047784	VPA047731	VPA041991
Sample Date	22 Jan 2024	20 Feb 2023	08 Nov 2022	23 Jun 2022
Machine Hours	335	267	267	220
Oil Hours	0	0	50	20
Oil Changed	Changed	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	108	105	105	105
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	10	12	10
Sodium	ppm	4	0	<1	<1
Potassium	ppm	2	1	<1	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		18	16	4	30
Iron	ppm	32	85	80	80
Copper	ppm	6	11	12	11
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	2	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	1	1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	2	3	2	2
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	6	7	4	4
Magnesium	ppm	8	52	26	24
Zinc	ppm	12	20	7	3
Phosphorus	ppm	1301	1276	1344	1307
Barium	ppm	0	0	0	0
Boron	ppm	346	303	311	349

Depot: VP794951
Unique No: 10849926
Signed: Don Baldrige
Report Date: 31 Jan 2024

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GRAPHS

