

OIL ANALYSIS REPORT

VOLVO PENTA

CHRIS SLOCUM VOLVO 3940020637 - STARBOARD IPS

Sample No: VPA025757

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA025757	VPA020233	VPA027835	VPA023355
Sample Date	09 Aug 2023	20 Aug 2020	20 Aug 2019	27 Aug 2018
Machine Hours	533	390	268	184
Oil Hours	533	122	84	184
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Talley's Pier 77 Marine

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OIL CONDITION

Visc @ 40°C	cSt	111	105	106	99.39
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CONTAMINATION

Silicon	ppm	9	10	12	15
Sodium	ppm	<1	0	<1	1
Potassium	ppm	0	<1	0	0

WEAR METALS

PQ		16	17	20	27
Iron	ppm	21	22	32	48
Copper	ppm	2	4	4	6
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	3	0	0
Manganese	ppm	1	<1	2	3
Vanadium	ppm	<1	0	0	<1

ADDITIVES

Calcium	ppm	4	20	5	6
Magnesium	ppm	2	2	16	78
Zinc	ppm	0	0	6	6
Phosphorus	ppm	1393	1314	1237	1321
Barium	ppm	0	0	0	0
Boron	ppm	352	409	269	267

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.

Depot: VP303974
Unique No: 10621682
Signed: Don Baldrige
Report Date: 29 Aug 2023

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GRAPHS

