

OIL ANALYSIS REPORT



JAMES MOSSMAN ALAN VOLVO PENTA 3950002633 - STARBOARD IPS

Sample No: VPA059667
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059667	VPA035090	VPA035254	VPA030084
Sample Date	18 Oct 2023	18 Nov 2022	03 Nov 2021	01 Oct 2020
Machine Hours	403	381	357	318
Oil Hours	0	52	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Precision Marine Center Llc
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OIL CONDITION

Visc @ 40°C	cSt	107	110	107	103
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CONTAMINATION

Silicon	ppm	4	4	3	8
Sodium	ppm	0	<1	2	4
Potassium	ppm	1	0	0	<1

WEAR METALS

PQ		9	12	27	29
Iron	ppm	4	7	16	49
Copper	ppm	1	<1	2	3
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	0	<1	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	1
Manganese	ppm	0	0	<1	2
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	36	<1	1	16
Magnesium	ppm	2	1	5	28
Zinc	ppm	11	0	0	0
Phosphorus	ppm	1444	1298	1611	1365
Barium	ppm	9	0	0	8
Boron	ppm	329	302	426	324

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: VP850387
Unique No: 10709555
Signed: Sean Felton
Report Date: 25 Oct 2023

OIL ANALYSIS REPORT



GRAPHS

