

OIL ANALYSIS REPORT



MOYSEY VOLVO PENTA 3940013572 - STARBOARD IPS

Sample No: VPA058990
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA058990	VPA041238	VPA033442	---
Sample Date	13 Dec 2023	22 Dec 2022	08 Jun 2022	---
Machine Hours	654	636	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	ATTENTION	---

FULL KEEL MARINE SERVICES
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OIL CONDITION

Visc @ 40°C	cSt	96.4	103.2	102	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	12	11	17	---
Sodium	ppm	7	22	25	---
Potassium	ppm	1	0	0	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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		23	27	31	---
Iron	ppm	150	208	362	---
Copper	ppm	10	13	27	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	3	3	5	---
Chromium	ppm	1	2	3	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	2	1	2	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	3	4	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	4	6	7	---
Magnesium	ppm	12	3	4	---
Zinc	ppm	23	13	20	---
Phosphorus	ppm	1057	1482	1314	---
Barium	ppm	8	0	0	---
Boron	ppm	197	312	377	---

Depot: VP1298996
Unique No: 10794854
Signed: Angela Borella
Report Date: 21 Dec 2023

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GRAPHS

