

OIL ANALYSIS REPORT



SUSAN CHYETTE VOLVO PENTA 3950003126 - STARBOARD IPS

Sample No: VPA049878
Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049878	VPA040852	VPA031786	VPA027674
Sample Date	04 Mar 2024	15 Mar 2022	01 Jan 2021	01 Dec 2020
Machine Hours	572	451	376	325
Oil Hours	55	75	51	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Michigan Yachtcrafters Inc
 31785 S. River Road
 HARRISON TOWNSHIP, MI
 US 48045
 Contact: Garrett Cassidy
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OIL CONDITION

Visc @ 40°C	cSt	107	109	106	104

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	1	1	2
Sodium	ppm	<1	<1	0	0
Potassium	ppm	<1	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		12	17	17	18
Iron	ppm	5	17	13	16
Copper	ppm	<1	3	2	2
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	<1	3	3
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	0	2	1	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	<1	16	6	6
Magnesium	ppm	<1	6	10	20
Zinc	ppm	0	5	0	0
Phosphorus	ppm	1444	1432	1394	1420
Barium	ppm	0	0	0	0
Boron	ppm	304	301	342	343

Depot: VP151756
Unique No: 10943807
Signed: Jonathan Hester
Report Date: 02 Apr 2024

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VOLVO PENTA

GRAPHS

