

OIL ANALYSIS REPORT



BRIAN TEDESCHI 534404 VOLVO PENTA 3940017481 - STARBOARD IPS

Sample No: VPA060577
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA060577	VPA056870	VPA025422	VPA013348
Sample Date	26 Feb 2024	31 Oct 2023	21 Oct 2021	17 Jan 2017
Machine Hours	2087	2055	0	509
Oil Hours	0	0	151	0
Oil Changed	N/A	N/A	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ATTENTION	ATTENTION

Jas Marine Service Inc
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 FORT LAUDERDALE, FL
 US 33315
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OIL CONDITION

Visc @ 40°C	cSt	106	102	106	101.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	19	13	35
Sodium	ppm	3	13	56	9
Potassium	ppm	<1	5	2	2

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		10	32	34	24
Iron	ppm	37	350	303	184
Copper	ppm	4	25	17	18
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	<1	7	8	1
Chromium	ppm	<1	2	2	1
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	<1	3	4	2
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	7	3	5
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	3	13	10	21
Magnesium	ppm	4	17	11	93
Zinc	ppm	0	33	15	13
Phosphorus	ppm	1431	1239	1395	1397
Barium	ppm	0	<1	0	<1
Boron	ppm	286	261	337	170

Depot: VP426065
Unique No: 10903712
Signed: Don Baldrige
Report Date: 04 Mar 2024

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GRAPHS

