

OIL ANALYSIS REPORT



JACK BROWN 505697 VOLVO PENTA 3950001201 - STARBOARD IPS

Sample No: VPA048587

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA048587	VPA048596	VPA042436	VPA037099
Sample Date	29 Sep 2023	01 Jul 2023	17 Sep 2022	04 Oct 2021
Machine Hours	760	742	715	642
Oil Hours	44	0	75	0
Oil Changed	Not Changd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

Jefferson Beach Yacht Sales Inc
 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
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 T: (866)490-5297
 F:

OIL CONDITION

Visc @ 40°C	cSt	106	106	108	106
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CONTAMINATION

Silicon	ppm	2	5	5	4
Sodium	ppm	<1	<1	22	<1
Potassium	ppm	<1	<1	2	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		30	15	8	19
Iron	ppm	16	31	25	18
Copper	ppm	2	2	6	4
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	5	2	<1	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	2	<1
Manganese	ppm	<1	1	1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	5	22	256	0
Magnesium	ppm	5	15	7	0
Zinc	ppm	2	5	13	0
Phosphorus	ppm	1390	1410	1257	1351
Barium	ppm	0	0	0	0
Boron	ppm	378	307	71	306

Depot: VP297371
Unique No: 10673359
Signed: Doug Bogart
Report Date: 02 Oct 2023

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VOLVO PENTA

GRAPHS

