

OIL ANALYSIS REPORT



LAWSON 520-69 JAY VOLVO PENTA 3940024787 - PORT IPS

Sample No: VPA057085
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA057085	VPA037311	VPA026763	VPA020875
Sample Date	29 Nov 2023	31 Oct 2023	08 Dec 2020	03 Mar 2020
Machine Hours	286	285	90	60
Oil Hours	0	3	30	60
Oil Changed	N/A	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Outstanding Marine
 PO Box 274
 GALENA, MD
 US 21635
 Contact: Ronda Bolinger
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 F:

OIL CONDITION

Visc @ 40°C	cSt	107	108	106	95.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	0.064
Silicon	ppm	9	9	9	11
Sodium	ppm	8	7	3	4
Potassium	ppm	0	<1	<1	6

WEAR METALS

PQ		16	14	20	16
Iron	ppm	58	47	33	15
Copper	ppm	10	9	5	5
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	<1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	1	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	2	2	3	3
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	0	79	6	18
Magnesium	ppm	0	7	145	991
Zinc	ppm	18	60	3	8
Phosphorus	ppm	1356	1224	1428	1543
Barium	ppm	0	0	0	0
Boron	ppm	297	326	424	548

Diagnosis

No corrective action is recommended at this time. 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: VP153685
Unique No: 10816466
Signed: Doug Bogart
Report Date: 04 Jan 2024

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**VOLVO
PENTA**

GRAPHS

