

# OIL ANALYSIS REPORT

# VOLVO PENTA

## DV MARINE VOLVO PENTA 3950001746 - STARBOARD IPS

Sample No: VPA060819

Oil Type: VOLVO API GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA060819	VPA014689	VPA014946	VPA015766
Sample Date	03 Jan 2024	18 May 2022	01 Jun 2020	04 Jun 2019
Machine Hours	1869	1565	1144	900
Oil Hours	0	50	200	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

FDDA FT PIERCE - POWER CENTER

FORT PIERCE, FL

US

Contact: KYLE GRASER

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### OIL CONDITION

Visc @ 40°C	cSt	█ 106.8	107	█ 104	100
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### CONTAMINATION

Water	%	█ 0.157	NEG	NEG	NEG
Silicon	ppm	█ 2	6	6	16
Sodium	ppm	█ 0	█ <1	█ 4	█ 1
Potassium	ppm	█ 1	█ <1	█ 2	█ 0

### 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 a trace of moisture present in the oil. The condition of the oil is acceptable for the time in service.

### WEAR METALS

PQ		█ 23	█ 21	█ 68	█ 15
Iron	ppm	█ 99	█ 68	█ 185	█ 38
Copper	ppm	█ 9	4	7	3
Lead	ppm	█ 0	0	<1	0
Tin	ppm	█ 0	0	0	<1
Aluminum	ppm	█ 1	<1	2	1
Chromium	ppm	█ <1	█ <1	█ 2	█ <1
Molybdenum	ppm	█ <1	█ <1	█ 0	█ 0
Nickel	ppm	█ <1	█ 0	█ 1	█ 0
Titanium	ppm	█ <1	0	<1	0
Silver	ppm	█ 0	0	0	0
Manganese	ppm	█ 1	█ 1	█ 3	█ <1
Vanadium	ppm	█ 0	0	0	0

### ADDITIVES

Calcium	ppm	█ 8	█ 4	█ 15	█ 3
Magnesium	ppm	█ <1	█ 2	█ 3	█ <1
Zinc	ppm	█ 2	█ 2	█ 11	█ 5
Phosphorus	ppm	█ 1360	█ 1558	█ 1302	█ 1213
Barium	ppm	█ 10	█ 0	█ 0	█ 0
Boron	ppm	█ 296	█ 351	█ 252	█ 255

Depot: VP208659

Unique No: 10818310

Signed: Doug Bogart

Report Date: 05 Jan 2024

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**VOLVO  
PENTA**

## GRAPHS

