

OIL ANALYSIS REPORT



DOUG ZALK 7720058 VOLVO PENTA 3940024276 - STARBOARD IPS

Sample No: VPA061731

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA061731	VPA042689	VPA026057	VPA023501
Sample Date	05 Jun 2024	19 Jul 2023	20 Jun 2022	23 Jun 2021
Machine Hours	0	258	220	150
Oil Hours	0	0	70	82
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Pacific Power Group - VP981534

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US 98032

Contact: PAT RYAN

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OIL CONDITION

Visc @ 40°C	cSt	97.3	110	111	107
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	6	9	8
Sodium	ppm	2	0	6	8
Potassium	ppm	<1	<1	0	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		17	17	22	22
Iron	ppm	6	22	66	62
Copper	ppm	0	1	3	5
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	<1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	<1	1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	2	<1
Manganese	ppm	0	<1	2	3
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	8	12	7	32
Magnesium	ppm	2	1	2	9
Zinc	ppm	4	7	7	21
Phosphorus	ppm	1493	1369	1318	1322
Barium	ppm	0	0	0	0
Boron	ppm	623	358	297	384

Depot: VP99031103

Unique No: 11076829

Signed: Don Baldrige

Report Date: 17 Jun 2024

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VOLVO PENTA

GRAPHS

