

# OIL ANALYSIS REPORT

# VOLVO PENTA

## JEFF CLARK CATERPILLAR 1ZJ03979 - DIESEL ENGINE

Sample No: VPA055130

Oil Type: SHELL ROTELLA T 30

### SAMPLE INFORMATION

Sample Number	VPA055130	VPA047524	---	---
Sample Date	11 Dec 2023	07 Dec 2022	---	---
Machine Hours	582	541	---	---
Oil Hours	40	49	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 11.1	█ 11.2	---	---
Base Number (BN)	mg KOH/g	█ 8.5	█ 10.0	---	---
Oxidation (PA)	%	30	32	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.3	---	---
Nitration (PA)	%	38	44	---	---
Sulfation (PA)	%	39	42	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 4	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ 0	█ 0	---	---

### WEAR METALS

Iron	ppm	█ 19	█ 18	---	---
Copper	ppm	█ 7	█ 6	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ <1	█ 3	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 117	█ 118	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	█ 2702	█ 2819	---	---
Magnesium	ppm	█ 16	24	---	---
Zinc	ppm	█ 1243	█ 1211	---	---
Phosphorus	ppm	█ 1042	█ 1100	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 4	█ 6	---	---

### SHORE POINT YACHT SALES INC

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### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VPSHOPIN

Unique No: 10792811

Signed: Don Baldrige

Report Date: 20 Dec 2023

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## GRAPHS

