

# OIL ANALYSIS REPORT

# VOLVO PENTA

## FLOOD MCCLOSKEY 91098 - GENSET

Sample No: VPA040772

Oil Type: DIESEL ENGINE OIL SAE 30

### SAMPLE INFORMATION

Sample Number	VPA040772	VPA040750	VPA258105	---
Sample Date	10 Aug 2023	17 Feb 2023	04 Jun 2021	---
Machine Hours	1949	1843	512	---
Oil Hours	50	500	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	█ 11.5	█ 11.7	---
Base Number (BN)	mg KOH/g	█ 6.9	█ 5.2	---	---
Oxidation (PA)	%	80	62	81	---

### CONTAMINATION

Soot %	%	█ 0.1	█ 0.2	█ 0.1	---
Nitration (PA)	%	50	63	63	---
Sulfation (PA)	%	59	60	68	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	█ 5	█ 8	█ 44	---
Sodium	ppm	█ 2	█ <1	█ 3	---
Potassium	ppm	█ 2	█ 2	█ 4	---

### WEAR METALS

Iron	ppm	█ 6	█ 11	█ 18	---
Copper	ppm	█ <1	█ 3	█ 5	---
Lead	ppm	█ <1	█ 1	█ <1	---
Tin	ppm	█ 1	█ 2	█ 2	---
Aluminum	ppm	█ 2	█ 2	█ 9	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ 37	█ 3	96	---
Nickel	ppm	█ <1	█ 0	█ <1	---
Titanium	ppm	█ <1	█ <1	<1	---
Silver	ppm	█ 0	█ 0	<1	---
Manganese	ppm	█ <1	█ <1	1	---
Vanadium	ppm	0	0	<1	---

### ADDITIVES

Calcium	ppm	█ 1435	█ 2228	1430	---
Magnesium	ppm	█ 682	█ 38	719	---
Zinc	ppm	█ 1193	█ 991	919	---
Phosphorus	ppm	█ 970	█ 824	762	---
Barium	ppm	█ 0	█ 2	<1	---
Boron	ppm	█ 11	█ 1	338	---

### MCCOURT & SONS EQUIPMENT INC

5141 HWY 71 W

LA GRANGE, TX

US 78945

Contact: WAYNE BESEDA

wklesel@mccourtandsons.com

T: (979)242-5298

F:

### 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: VP1121775

Unique No: 10605772

Signed: Don Baldrige

Report Date: 17 Aug 2023

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GRAPHS

