

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MCCLOSKEY 78995 - VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA049706

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA049706	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	466	---	---	---
Oil Hours	466	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 8.3	---	---	---
Oxidation (PA)	%	57	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 61	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 1220	---	---	---
Magnesium	ppm	█ 868	---	---	---
Zinc	ppm	█ 1285	---	---	---
Phosphorus	ppm	█ 1020	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 54	---	---	---

### MCCOURT & SONS EQUIPMENT 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 suitable for further service.

Depot: VP1121775

Unique No: 10710534

Signed: Don Baldrige

Report Date: 26 Oct 2023

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## GRAPHS

