

OIL ANALYSIS REPORT

VOLVO PENTA

MCCLOSKEY 92372 - VARIABLE SPEED - DIESEL ENGINE

Sample No: VPA049707

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA049707	VPA040747	---	---
Sample Date	06 Oct 2023	14 Sep 2022	---	---
Machine Hours	790	412	---	---
Oil Hours	300	150	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

MCCOURT & SONS EQUIPMENT INC

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LA GRANGE, TX

US 78945

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 13.8	---	---
Base Number (BN)	mg KOH/g	█ 9.3	█ 8.7	---	---
Oxidation (PA)	%	█ 69	█ 51	---	---

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.

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	█ 55	█ 58	---	---
Sulfation (PA)	%	█ 57	█ 52	---	---
Glycol	%	█ NEG	█ NEG	---	---
Fuel	%	█ <1.0	█ <1.0	---	---
Silicon	ppm	█ 11	█ 17	---	---
Sodium	ppm	█ 4	█ 2	---	---
Potassium	ppm	█ 2	█ 1	---	---

WEAR METALS

Iron	ppm	█ 8	█ 4	---	---
Copper	ppm	█ 287	█ 9	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 3	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 36	█ 34	---	---
Nickel	ppm	█ <1	█ 1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ <1	█ 1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	█ 0	█ <1	---	---

ADDITIVES

Calcium	ppm	█ 1678	█ 1704	---	---
Magnesium	ppm	█ 511	█ 460	---	---
Zinc	ppm	█ 1041	█ 1179	---	---
Phosphorus	ppm	█ 860	█ 968	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 37	█ 6	---	---

Depot: VP1121775

Unique No: 10695338

Signed: Don Baldrige

Report Date: 16 Oct 2023

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GRAPHS

