

OIL ANALYSIS REPORT

VOLVO PENTA

ALAN FLEISUAKER 37910 YANMAR E06976 - CENTER DIESEL ENGINE

Sample No: VPA036601

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA036601	---	---	---
Sample Date	01 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	█ 63	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 49	---	---	---
Sulfation (PA)	%	█ 53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	▲ 26	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 6	---	---	---

WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 2240	---	---	---
Magnesium	ppm	█ 39	---	---	---
Zinc	ppm	█ 1171	---	---	---
Phosphorus	ppm	█ 977	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 179	---	---	---

TRUE NORTH MARINE

1206 MARINA BAY DR
CLEAR LAKE SHORES, TX
US 77565

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VP975860
Unique No: 10587683
Signed: Doug Bogart
Report Date: 06 Aug 2023

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GRAPHS

