

OIL ANALYSIS REPORT

VOLVO PENTA

HARRISON FRAZIER VOLVO PENTA HARRISON FRAZIER (S/N NOT GIVEN) - GENSET

Sample No: VPA052401

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA052401	---	---	---
Sample Date	25 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.17	---	---	---
Base Number (BN)	mg KOH/g	8.0	---	---	---
Oxidation (PA)	%	73	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	60	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	▲ 101	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	▲ 11	---	---	---
Molybdenum	ppm	47	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1232	---	---	---
Magnesium	ppm	817	---	---	---
Zinc	ppm	939	---	---	---
Phosphorus	ppm	619	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	33	---	---	---

MELBOURNE MARINE DIESEL

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Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The chromium level is abnormal. All other 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 acceptable for the time in service.

Depot: VP1222400
Unique No: 11002603
Signed: Sean Felton
Report Date: 26 Apr 2024

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GRAPHS

