

OIL ANALYSIS REPORT

VOLVO PENTA

ROBERT HANDY VOLVO PENTA 2006018971 - STARBOARD DIESEL ENGINE

Sample No: VPA037901

Oil Type: CHEVRON DELO 400 SDE SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA037901	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	520	---	---	---
Oil Hours	30	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	59	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 89	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1340	---	---	---
Magnesium	ppm	█ 457	---	---	---
Zinc	ppm	█ 1090	---	---	---
Phosphorus	ppm	█ 936	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 422	---	---	---

Maritime Fabrications Inc

920 W Pearle Jensen Way, 920 W. Pearle Jensen Way

LACONNER, WA

US 98257

Contact: Mark Crandall

markc@laconnermaritime.com

T: (360)466-3629

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 suitable for further service.

Depot: VP153319

Unique No: 10725442

Signed: Doug Bogart

Report Date: 03 Nov 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

