

OIL ANALYSIS REPORT

VOLVO PENTA

DAVID LEIMAN ONAN G070082912 - GENSET

Sample No: VPA055887

Oil Type: SHELL 15W40

SAMPLE INFORMATION

Sample Number	VPA055887	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	4347	---	---	---
Oil Hours	93	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

McDonnell Marine Service

63 Old Windsor Rd.

BLOOMFIELD, CT

US 06002-1404

Contact: Brian McDonnell

brmcdonnell@comcast.net

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	66	---	---	---

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	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 6	---	---	---

WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 2122	---	---	---
Magnesium	ppm	█ 53	---	---	---
Zinc	ppm	█ 1189	---	---	---
Phosphorus	ppm	█ 939	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 202	---	---	---

Depot: VP153357

Unique No: 10660838

Signed: Don Baldrige

Report Date: 26 Sep 2023

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GRAPHS

