

OIL ANALYSIS REPORT

VOLVO PENTA

AL SCOTT ONAN H070093331 - GENSET

Sample No: VPA014822

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA014822	---	---	---
Sample Date	03 Nov 2017	---	---	---
Machine Hours	237	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Walstrom Marine

501 Bay Street
HARBOR SPRINGS, MI
US 49740

Contact: RICK HEINY
rheiny@walstrom.com

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OIL CONDITION

Visc @ 100°C	cSt	11.69	---	---	---
Oxidation (PA)	%	36	---	---	---

CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	42	---	---	---
Sulfation (PA)	%	42	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	7	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	102	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	2192	---	---	---
Magnesium	ppm	107	---	---	---
Zinc	ppm	771	---	---	---
Phosphorus	ppm	683	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	21	---	---	---

Depot: VP154879

Unique No: 7993696

Signed: Jonathan Hester

Report Date: 10 Nov 2017

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GRAPHS

