

OIL ANALYSIS REPORT

VOLVO PENTA

AL SCOTT VOLVO 2006020041 - STARBOARD DIESEL ENGINE

Sample No: VPA014825

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA014825	---	---	---
Sample Date	03 Nov 2017	---	---	---
Machine Hours	562	---	---	---
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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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.33	---	---	---
Oxidation (PA)	%	█ 56	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 67	---	---	---
Sulfation (PA)	%	█ 50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 94	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1228	---	---	---
Magnesium	ppm	█ 977	---	---	---
Zinc	ppm	█ 1130	---	---	---
Phosphorus	ppm	█ 965	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VP154879

Unique No: 7993694

Signed: Don Baldrige

Report Date: 13 Nov 2017

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GRAPHS

