

# [PATRICK [18557]] VOLVO A383614 - PORT DIESEL ENGINE

Sample No: VPA024060

Oil Type: DIESEL ENGINE OIL SAE 15W40

## SAMPLE INFORMATION

Sample Number	VPA024060	---	---	---
Sample Date	13 Nov 2019	---	---	---
Machine Hours	214	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Point Judith Marina

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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Oxidation (PA)	%	59	---	---	---

## 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.

## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

## WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 56	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 962	---	---	---
Magnesium	ppm	█ 847	---	---	---
Zinc	ppm	█ 1025	---	---	---
Phosphorus	ppm	█ 963	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 8	---	---	---

Depot: VP153811

Unique No: 8825539

Signed: Don Baldrige

Report Date: 21 Nov 2019

# GRAPHS

