

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 7011401679 - STARBOARD DIESEL ENGINE

Sample No: VPA025895

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA025895	---	---	---
Sample Date	02 Jun 2020	---	---	---
Machine Hours	99	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Power Products Systems LLC

90 Bay State Road

WAKEFIELD, MA

US 01880

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Oxidation (PA)	%	55	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	38	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
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	█ < 1	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 54	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	938	---	---	---
Magnesium	ppm	█ 860	---	---	---
Zinc	ppm	█ 1024	---	---	---
Phosphorus	ppm	█ 946	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

Depot: VP153550

Unique No: 9053053

Signed: Don Baldrige

Report Date: 08 Jun 2020

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GRAPHS

