

[JIM GARVER [202861]] VOLVO PENTA A517570 - PORT DIESEL ENGINE

Sample No: VPA023624

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA023624	---	---	---
Sample Date	24 Aug 2020	---	---	---
Machine Hours	135	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

Cogswell Marine & Motorsports, Inc
 865 Stella Street
 CHULA VISTA, CA
 US 91911
 Contact: Mitchell Cogswell
 Cogswellmarinemotorsports@gmail.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.2	---	---	---
Oxidation (PA)	%	50	---	---	---

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)	%	54	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 7	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	█ 1286	---	---	---
Magnesium	ppm	█ 682	---	---	---
Zinc	ppm	718	---	---	---
Phosphorus	ppm	671	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 95	---	---	---

Depot: VP152133
Unique No: 9155967
Signed: Don Baldrige
Report Date: 01 Sep 2020

GRAPHS

