

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 70112015691 - STARBOARD DIESEL ENGINE

Sample No: VPA058675

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA058675	---	---	---
Sample Date	06 Mar 2024	---	---	---
Machine Hours	215	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

JOHNSTONS MARINE SERVICES

1850 NW 15th AVENUE, SUITE 205
POMPANO BEACH, FL
US 33069
Contact: NEIL JOHNSTON
neil@1jms.com
T: (984)448-0813
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	73	---	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 53	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1261	---	---	---
Magnesium	ppm	█ 781	---	---	---
Zinc	ppm	█ 894	---	---	---
Phosphorus	ppm	█ 770	---	---	---
Barium	ppm	█ < 1	---	---	---
Boron	ppm	█ 49	---	---	---

Depot: VPJOHDEE
Unique No: 10916077
Signed: Don Baldrige
Report Date: 11 Mar 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

