

OIL ANALYSIS REPORT



HUTCHENSON 500-265 JC VOLVO PENTA A637790 - PORT DIESEL ENGINE

Sample No: VPA059848
Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA059848	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	308	---	---	---
Oil Hours	308	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Outstanding Marine
 PO Box 274
 GALENA, MD
 US 21635
 Contact: Ronda Bolinger
 rlwb@verizon.net
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	62	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 7	---	---	---

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.

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 10	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1945	---	---	---
Magnesium	ppm	151	---	---	---
Zinc	ppm	█ 1097	---	---	---
Phosphorus	ppm	█ 919	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 178	---	---	---

Depot: VP153685
Unique No: 10764042
Signed: Don Baldrige
Report Date: 01 Dec 2023

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

