

OIL ANALYSIS REPORT



HARTZELL 520-286 JAY CUMMINS I220151281 - GENSET

Sample No: VPA057262

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA057262	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	102	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
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	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	9.9	---	---	---
Oxidation (PA)	%	64	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. 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 suitable for further service.

WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	60	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1613	---	---	---
Magnesium	ppm	631	---	---	---
Zinc	ppm	911	---	---	---
Phosphorus	ppm	755	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	46	---	---	---

Depot: VP153685
Unique No: 10816302
Signed: Sean Felton
Report Date: 04 Jan 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

