

OIL ANALYSIS REPORT



GRANT MCGHEE CUMMINS/ONAN L070141611 - GENSET

Sample No: VPA045645
Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA045645	---	---	---
Sample Date	26 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Aqua Yacht Harbor Marina
 3832 Hwy. 25 North, 3832 Hwy. 25 North
 IUKA, MS
 US 38852
 Contact: DENNIS KANIZAI
 dkanizai@shmarinas.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	65	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	51	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 9	---	---	---

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	█ 18	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2191	---	---	---
Magnesium	ppm	█ 12	---	---	---
Zinc	ppm	█ 1130	---	---	---
Phosphorus	ppm	█ 1017	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 205	---	---	---

Depot: VP299833
Unique No: 10949811
Signed: Don Baldrige
Report Date: 30 Mar 2024

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VOLVO PENTA

GRAPHS

