

OIL ANALYSIS REPORT



BILL MORENO - GALEON ONAN C180338826 - GENSET

Sample No: VPA036456

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA036456	VPA043422	---	---
Sample Date	19 Dec 2023	10 Dec 2022	---	---
Machine Hours	1030	915	---	---
Oil Hours	1030	915	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Larry's Lighthouse Marina

1250

AQUEBOGUE, NY

US 11931

Contact: MAX FUHLBRUGGE

info@lighthousemarina.com

T: x:

F: x:

OIL CONDITION

Visc @ 100°C	cSt	13.1	13.5	---	---
Base Number (BN)	mg KOH/g	8.3	9.0	---	---
Oxidation (PA)	%	66	71	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	52	58	---	---
Sulfation (PA)	%	55	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	8	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	7	1	---	---

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	3	14	---	---
Copper	ppm	<1	5	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	6	60	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	1994	1223	---	---
Magnesium	ppm	80	875	---	---
Zinc	ppm	1198	1309	---	---
Phosphorus	ppm	1012	1109	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	166	6	---	---

Depot: VP610438

Unique No: 10843045

Signed: Angela Borella

Report Date: 23 Jan 2024

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**VOLVO
PENTA**

GRAPHS

