

OIL ANALYSIS REPORT



BOOMERANG 4007 J160103301 - GENSET

Sample No: VPA052370

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA052370	VPA046301	VPA031325	VPA029386
Sample Date	03 Jan 2024	10 Jan 2023	13 Jan 2022	11 Jan 2020
Machine Hours	182	159	150	69
Oil Hours	45	23	17	5
Oil Changed	Changed	Changed	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

The Talaria Company

202 Banks St., One Little Harbor Landing
 OXFORD, MD
 US 21654
 Contact: TRACY PELLERIN
 tpellerin@hinckleyyachts.com
 T: (410)770-4899
 F: x:

OIL CONDITION

Visc @ 100°C	cSt	13.8	13.9	13.7	▲ 11.2
Base Number (BN)	mg KOH/g	7.6	6.5	9.6	---
Oxidation (PA)	%	45	61	70	34

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0	0
Nitration (PA)	%	43	45	48	27
Sulfation (PA)	%	43	53	60	40
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	1.4	▲ 4.3
Silicon	ppm	5	7	9	3
Sodium	ppm	2	2	1	108
Potassium	ppm	7	8	7	0

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 suitable for further service.

WEAR METALS

Iron	ppm	2	3	4	49
Copper	ppm	5	1	1	▲ 78
Lead	ppm	0	0	<1	4
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	<1	2	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	2	2	4	62
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1921	2060	2013	1915
Magnesium	ppm	13	16	26	127
Zinc	ppm	1074	1089	1114	817
Phosphorus	ppm	880	934	901	746
Barium	ppm	0	<1	0	<1
Boron	ppm	182	220	188	4

Depot: VP592286
Unique No: 10884399
Signed: Don Baldrige
Report Date: 19 Feb 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

