

OIL ANALYSIS REPORT



LUCAS STOIOFF 505732 ZF 20284548 - INBOARD - STARBOARD GEARBOX

Sample No: VPA052180
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA052180	VPA041026	VPA029999	---
Sample Date	20 Mar 2024	19 Dec 2022	20 Jan 2022	---
Machine Hours	456	416	367	---
Oil Hours	456	50	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

Jefferson Beach Yacht Sales Inc
 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
 Contact: CORT CORINO
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 T: (773)641-6947
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OIL CONDITION

Visc @ 40°C	cSt	89.9	86.9	80.6	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	8	12	33	---
Sodium	ppm	2	4	6	---
Potassium	ppm	<1	0	4	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		18	10	31	---
Iron	ppm	18	26	142	---
Copper	ppm	14	32	169	---
Lead	ppm	<1	2	8	---
Tin	ppm	<1	0	4	---
Aluminum	ppm	2	3	10	---
Chromium	ppm	0	<1	1	---
Molybdenum	ppm	40	36	22	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	3486	3282	3337	---
Magnesium	ppm	15	16	15	---
Zinc	ppm	1149	953	887	---
Phosphorus	ppm	1088	875	837	---
Barium	ppm	0	0	2	---
Boron	ppm	427	369	23	---

Depot: VP297371
Unique No: 10943792
Signed: Don Baldrige
Report Date: 29 Mar 2024

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**VOLVO
PENTA**

GRAPHS

