

OIL ANALYSIS REPORT



JAMES TALBOTT JT ZF 20049928 - INBOARD - STARBOARD GEARBOX

Sample No: VPA055718
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA055718	VPA037296	VPA034502	---
Sample Date	17 Nov 2023	07 Jan 2023	15 Nov 2020	---
Machine Hours	747	0	561	---
Oil Hours	0	197	81	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

Outstanding Marine
 PO Box 274
 GALENA, MD
 US 21635
 Contact: Ronda Bolinger
 rlwb@verizon.net
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	92.0	91.5	96.1	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	5	2	---
Sodium	ppm	2	3	0	---
Potassium	ppm	1	1	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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		28	27	24	---
Iron	ppm	9	11	9	---
Copper	ppm	57	51	▲ 115	---
Lead	ppm	2	5	7	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	1	0	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	95	107	79	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	2420	2652	2521	---
Magnesium	ppm	51	59	123	---
Zinc	ppm	1096	1158	962	---
Phosphorus	ppm	962	998	894	---
Barium	ppm	0	0	0	---
Boron	ppm	9	5	16	---

Depot: VP153685
Unique No: 10766322
Signed: Don Baldrige
Report Date: 04 Dec 2023

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GRAPHS

