

OIL ANALYSIS REPORT



LUCAS STOIOFF 505732 ZF 20283572 - INBOARD - PORT GEARBOX

Sample No: VPA062106
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA062106	VPA041027	VPA030000	---
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	SEVERE	---

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 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	92.6	90.9	84.6	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	14	▲ 41	---
Sodium	ppm	2	3	6	---
Potassium	ppm	0	<1	5	---

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		15	7	17	---
Iron	ppm	5	9	25	---
Copper	ppm	41	48	157	---
Lead	ppm	1	2	8	---
Tin	ppm	<1	0	22	---
Aluminum	ppm	2	3	10	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	29	12	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	2715	1785	3436	---
Magnesium	ppm	9	5	10	---
Zinc	ppm	880	524	965	---
Phosphorus	ppm	1079	494	911	---
Barium	ppm	0	0	2	---
Boron	ppm	393	120	17	---

Depot: VP297371
Unique No: 10943794
Signed: Don Baldrige
Report Date: 29 Mar 2024

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GRAPHS

