

OIL ANALYSIS REPORT



GORMAN, MIKE 23-2775 ZF 20309572 - INBOARD - PORT GEARBOX

Sample No: VPA058527

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number	VPA058527	VPA026928	---	---
Sample Date	05 Dec 2023	20 Oct 2020	---	---
Machine Hours	1044	544	---	---
Oil Hours	200	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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

OIL CONDITION

Visc @ 40°C	cSt	48.9	46.8	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	14	13	---	---
Sodium	ppm	7	1	---	---
Potassium	ppm	0	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		55	28	---	---
Iron	ppm	78	40	---	---
Copper	ppm	43	46	---	---
Lead	ppm	3	5	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	4	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	3666	3317	---	---
Magnesium	ppm	22	17	---	---
Zinc	ppm	1418	1321	---	---
Phosphorus	ppm	1156	1179	---	---
Barium	ppm	0	0	---	---
Boron	ppm	125	127	---	---

Depot: VP153685
Unique No: 10777925
Signed: Don Baldrige
Report Date: 10 Dec 2023

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GRAPHS

