

OIL ANALYSIS REPORT



WORICK 630-6 VOLVO PENTA 3950002880 - STARBOARD IPS

Sample No: VPA057459
Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA057459	VPA012299	---	---
Sample Date	06 Dec 2023	10 Oct 2019	---	---
Machine Hours	641	348	---	---
Oil Hours	0	150	---	---
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	103	100	---	---
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CONTAMINATION

Water	%	NEG	0.187	---	---
Silicon	ppm	1	10	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	0	1	---	---

WEAR METALS

PQ		13	16	---	---
Iron	ppm	11	27	---	---
Copper	ppm	2	4	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	2	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	0	<1	---	---
Magnesium	ppm	0	16	---	---
Zinc	ppm	0	0	---	---
Phosphorus	ppm	1311	1312	---	---
Barium	ppm	0	0	---	---
Boron	ppm	305	278	---	---

Diagnosis

No corrective action is recommended at this time. 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.

Depot: VP153685
Unique No: 10816468
Signed: Doug Bogart
Report Date: 04 Jan 2024

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VOLVO PENTA

GRAPHS

