

OIL ANALYSIS REPORT



TIM BOWE ANDREW VOLVO PENTA 3950002815 - STARBOARD IPS

Sample No: VPA036669
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA036669	VPA042094	VPA040915	VPA038259
Sample Date	30 Oct 2023	24 Mar 2023	09 Dec 2021	02 Aug 2021
Machine Hours	911	729	0	339
Oil Hours	0	5	200	180
Oil Changed	Changed	Not Changd	Changed	N/A
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

GRAND BANKS

450 SW SALEM RD
 STUART, FL
 US 34994
 Contact: ROBERT ANTONA
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 T: (609)384-5290
 F:

OIL CONDITION

Visc @ 40°C	cSt	101	105	103	110
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CONTAMINATION

Silicon	ppm	5	3	10	5
Sodium	ppm	7	<1	3	3
Potassium	ppm	3	2	<1	1

WEAR METALS

PQ		28	15	21	24
Iron	ppm	131	17	70	48
Copper	ppm	11	2	9	6
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	3	2	<1	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	3	2	4	3
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	15	61	16	11
Magnesium	ppm	8	44	163	170
Zinc	ppm	19	43	0	0
Phosphorus	ppm	1317	1375	1533	1427
Barium	ppm	0	1	0	0
Boron	ppm	296	343	262	391

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm. Iron ppm levels are noted. All other 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: VP531377
Unique No: 1072727
Signed: Angela Borella
Report Date: 07 Nov 2023

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GRAPHS

