



TIM BOWE ANDREW VOLVO PENTA 3950002815 - STARBOARD IPS

Sample No: VPA036669

Oil Type: GEAR OIL SAE 75W90

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SAMPLE INFORM	ATIUN				
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
OIL CONDITION					
Visc @ 40°C	cSt	101	■105	□103	□110
CONTAMINATION					
Silicon	ppm	5	3	10	5
Sodium	ppm	7	- <1	3	3
Potassium	ppm	■3	2		1
WEAR METALS					
PQ		■ 28	1 5	2 1	2 4
Iron	ppm	<u> </u>	1 7	7 0	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	1 5	6 1	1 6	1 1
Magnesium	ppm	■8	44	163	170
Zinc	ppm	19	4 3	□0	0
Phosphorus	ppm	1317	■1375	□ 1533	1427
Barium	ppm	0	1	0	0
Boron	ppm	■296	■343	262	■391

GRAND BANKS

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

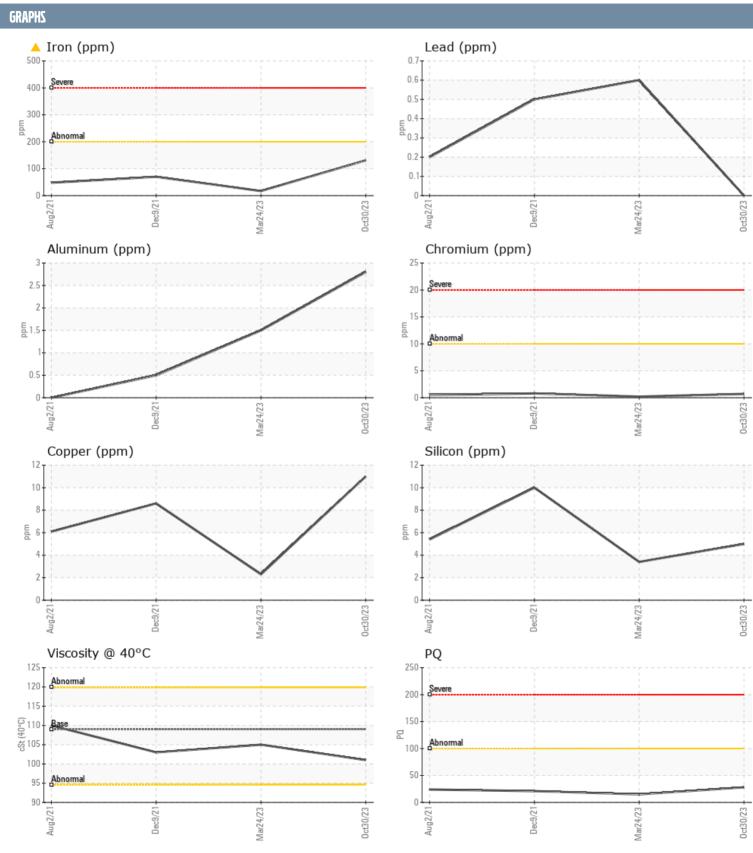
Diagnosis

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:VP531377Unique No:10727727Signed:Angela BorellaReport Date:07 Nov 2023

OIL ANALYSIS REPORT





Report Id: VP531377 [WUSCAR] 05999367 (Generated: 11/07/2023 18:15:39) Rev: 1