



VOLVO PENTA 3950004670 - STARBOARD IPS

Sample No: VPA059481

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMA	ATION				
Sample Number		VPA059481	VPA042110	VPA027574	VPA037511
Sample Date		14 Nov 2023	04 Oct 2023	16 May 2022	13 Sep 2021
Machine Hours		1000	999	738	533
Oil Hours		0	0	0	0
Oil Changed		N/A	N/A	N/A	Not Changd
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
OIL CONDITION					
Visc @ 40°C	cSt	116.1	■116	■ 105	□106
CONTAMINATION					
Silicon	ppm	1	1	2	2
Sodium	ppm	10	5	1 1	1 4
Potassium	ppm	0	□0	□ 0	1
WEAR METALS					
PQ		1 6	1 5	2 1	1 9
Iron	ppm	18	1 4	■ 23	■27
Copper	ppm	5	3	4	6
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	■<1	- <1	- < 1	< 1
Molybdenum	ppm	■ 0	0		
Nickel	ppm	0	- <1	0	
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	■<1	- <1	2	■3
Vanadium	ppm	<1	0	0	0
ADDITIVES					
Calcium	ppm	0	1 1	1 1	2 5
Magnesium	ppm	■ 0	5	1 4	35
Zinc	ppm	0	1	■8	1 1
Phosphorus	ppm	1211	□1318	□1377	1319
Barium	ppm	0	0	0	0
Boron	ppm	299	293	■304	■345

SUNCOAST DIESEL MARINE

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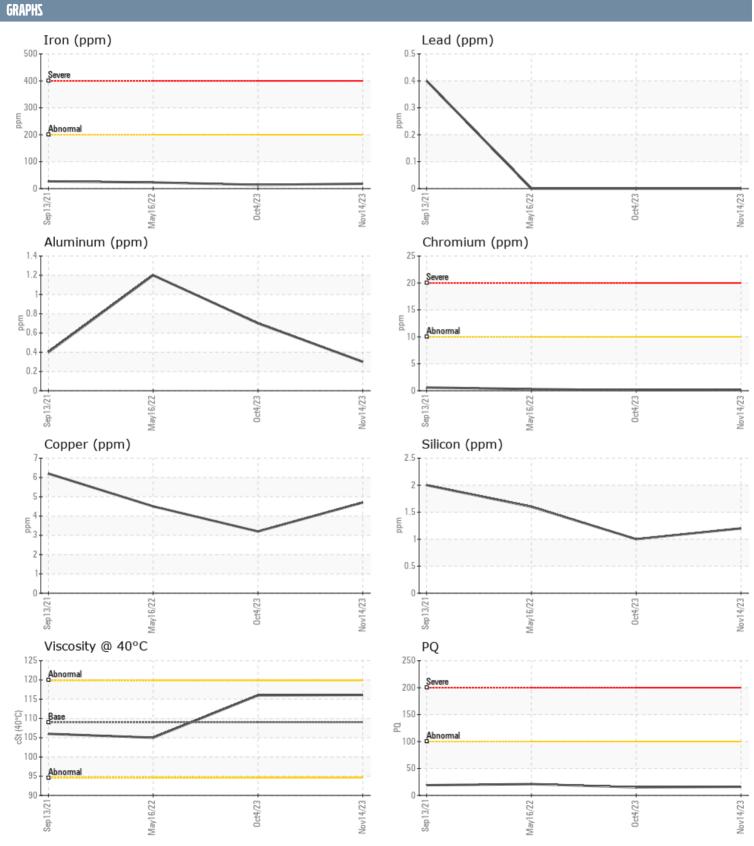
Diagnosis

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.

Depot:VP705283Unique No:10742550Signed:Doug BogartReport Date:15 Nov 2023

OIL ANALYSIS REPORT





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