



VOLVO PENTA 3950006557 - CENTER IPS

Sample No: VPA020816

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORM	ATION				
Sample Number		VPA020816	VPA020713	VPA020712	VPA022610
Sample Date		31 Jan 2024	13 Nov 2023	25 Oct 2023	22 Aug 2023
Machine Hours		6951	6476	6348	6000
Oil Hours		477	444	348	500
Oil Changed		Changed	Changed	Not Changd	Changed
Sample Status		ABNORMAL	ABNORMAL	NORMAL	NORMAL
OIL CONDITION					
Visc @ 40°C	cSt	101	□101	□102	1 03
CONTAMINATION					
Water	%	<u> </u>	△ 0.289	NEG	NEG
Silicon	ppm	3	1	2	<1
Sodium	ppm	■39	2 0	1 5	4
Potassium	ppm	4	3	■3	3
WEAR METALS					
PQ		29	2 1	1 7	■19
Iron	ppm	161	117	■ 83	■83
Copper	ppm	14	1 3	10	3
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	9	2	1	3
Chromium	ppm	1	- <1	- <1	- <1
Molybdenum	ppm	■ 0	- <1	- <1	0
Nickel	ppm	■ 3	1	1	- <1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	■3	3	2	2
Vanadium	ppm	<1	0	0	0
ADDITIDDA					
Calcium	ppm	0	5	2	4
Magnesium	ppm	■ 5	9	6	1 4
Zinc	ppm	■ 91	■18	0	0
Phosphorus	ppm	1404	1277	1402	1374
Barium	ppm	■0	- <1	■ 0	0
Boron		■343	□311	■311	□356

CHARLESTON NAVIGATION

6 CONCORD STREET CHARLESTON, SC US 29401 Contact: David Matash dmatash@charlestonpilots.com T: (843)296-8344 F: (843)577-0632

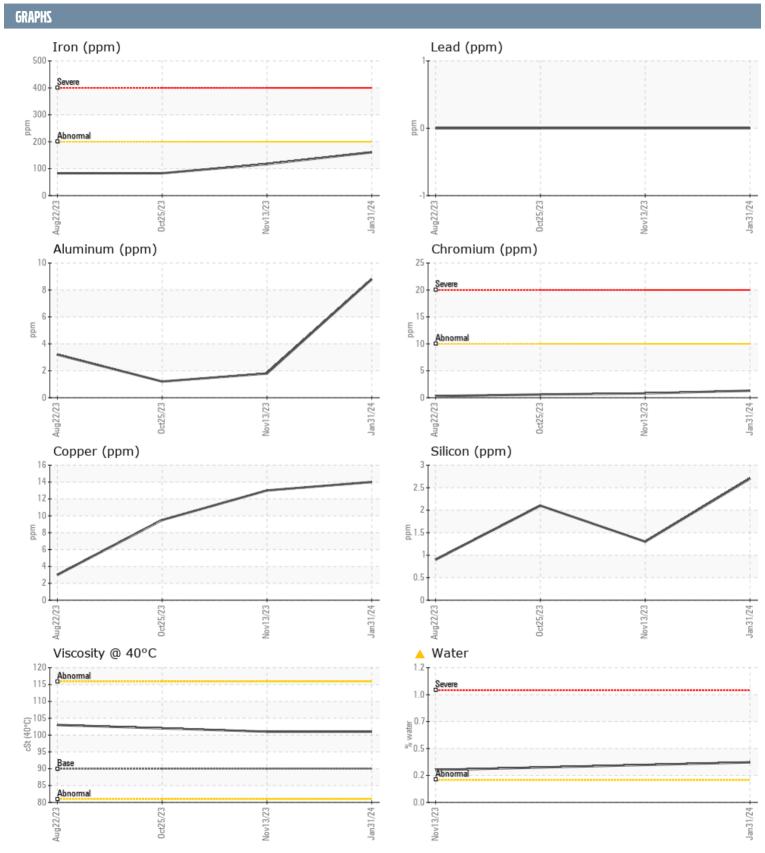
Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot:VPCHACHAUnique No:10861427Signed:Jonathan HesterReport Date:06 Feb 2024

OIL ANALYSIS REPORT





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