OIL ANALYSIS REPORT

BRIAN MCULLAUGH VOLVO PENTA 4202161208 - STERNDRIVE - PORT GEARBOX

Sample No: VPA045198

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMA	ATION			
Sample Number		VPA045198	VPA040922	
Sample Date		02 Aug 2023	17 Mar 2022	
Machine Hours		337	329	
Oil Hours		20	0	
Oil Changed		Changed	N/A	
Sample Status		SEVERE	SEVERE	
OIL CONDITION				
Visc @ 40°C	cSt	1 09	112	
CONTAMINATION				
Water	%	• 1.01	2.26	
Silicon	ppm	2	5	
Sodium	ppm	3	<1	
Potassium	ppm		0	
WEAR METALS				
PQ		24	23	
Iron	ppm	4 01	A 272	
Copper	ppm	1	4	
Lead	ppm	 <1	2	
Tin	ppm	0	1	
Aluminum	ppm	0 21	▲ 12	
Chromium	ppm	3	3	
Molybdenum	ppm	2	1	
Nickel	ppm	1 4	11	
Titanium	ppm	<1	<1	
Silver	ppm	<1	2	
Manganese	ppm	3	3	
Vanadium	ppm	<1	0	
ADDITIVES				
Calcium	ppm	12	56	
Magnesium	ppm		8	
Zinc	ppm	20	48	
Phosphorus	ppm	1417	1395	
Barium	ppm	0	0	
Boron	ppm	251	146	

MARINE EVOLUTIONS

5831 HILL PARK DR ORTON, VA JS 22079 Contact: TIM STAPLES service@marineevolutions.com F: (702)345-0365

VOLVO PENTA

Diagnosis

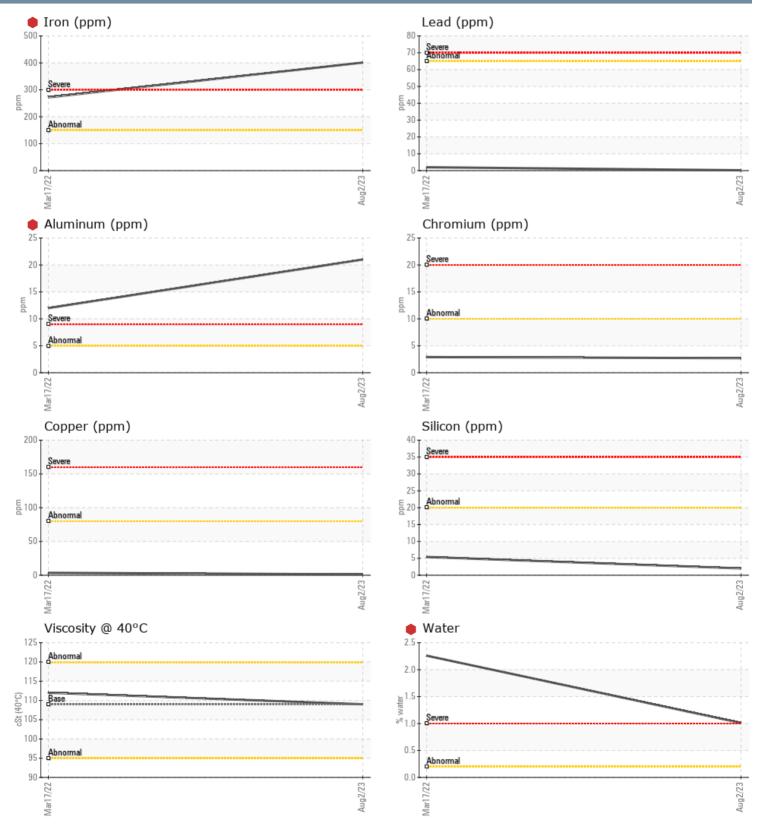
We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:	vp446360		
Unique No:	10589800		
Signed:	Doug Bogart		
Report Date:	08 Aug 2023		

OIL ANALYSIS REPORT



GRAPHS



Report Id: vp446360 [WUSCAR] 05917886 (Generated: 08/08/2023 22:42:09) Rev: 1

Contact/Location: TIM STAPLES - VP446360