## **OIL ANALYSIS REPORT**

## CHESAPEAKE VOLVO PENTA 3940026171 - STARBOARD IPS

Sample No: VPA055190

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORM	ATION			
Sample Number		VPA055190	VPA045326	 
Sample Date		01 Aug 2023	15 Mar 2023	 
Machine Hours		0	223	 
Oil Hours		0	80	 
Oil Changed		N/A	Changed	 
Sample Status		ABNORMAL	ATTENTION	 
OIL CONDITION				
Visc @ 40°C	cSt	<b>106</b>	105	 
CONTAMINATION	١			
Water	%	<b>0.215</b>		 
Silicon	ppm	8	15	 
Sodium	ppm	<b>&lt;</b> 1	8	 
Potassium	ppm	0	2	 
WEAR METALS				
PQ		21	22	 
Iron	ppm	<b>75</b>	<b>3</b> 30	 
Copper	ppm	3	17	 
Lead	ppm	0	<1	 
Tin	ppm	0	<1	 
Aluminum	ppm	<1	9	 
Chromium	ppm	<b>  </b> <1	3	 
Molybdenum	ppm	<b>  </b> <1	1	 
Nickel	ppm	<b>  </b> <1	4	 
Titanium	ppm	0	<1	 
Silver	ppm	0	0	 
Manganese	ppm	<b>1</b>	9	 
Vanadium	ppm	0	0	 
ADDITIVES				
Calcium	ppm	<b>1</b> 3	13	 
Magnesium	ppm	<b>4</b>	11	 
Zinc	ppm	5	42	 
Phosphorus	ppm	<b>1433</b>	1267	 
Barium	ppm	0	0	 
Danun	ppin			

Dutstanding Marine PO Box 274 GALENA, MD JS 21635 Contact: Ronda Bolinger Iwb@verizon.net :

### Diagnosis

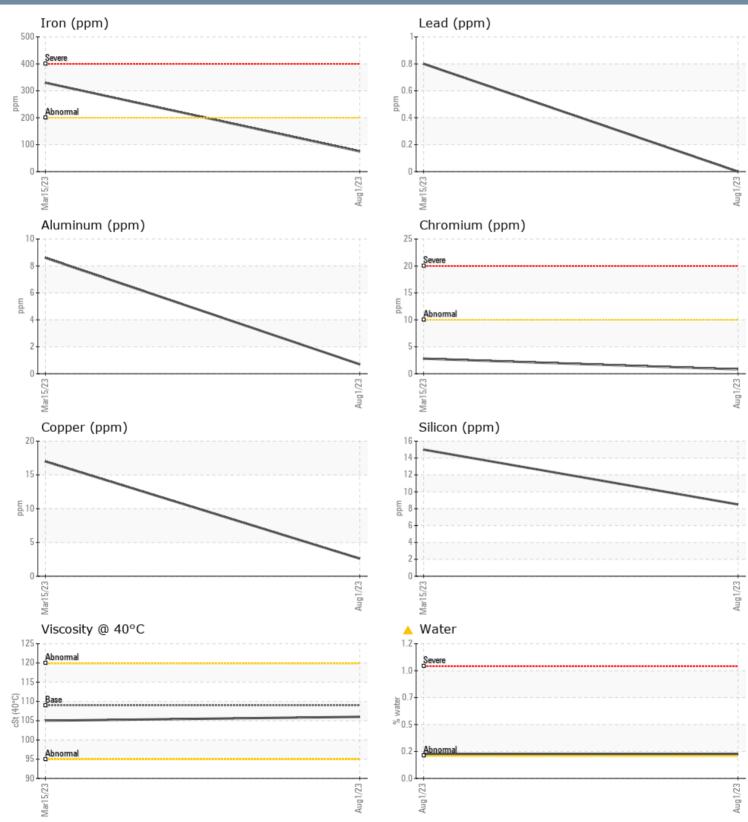
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.All component wear rates are normal. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:	VP153685		
Unique No:	10580375		
Signed:	Doug Bogart		
Report Date:	03 Aug 2023		

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Report Id: VP153685 [WUSCAR] 05913723 (Generated: 08/04/2023 03:22:05) Rev: 1

Contact/Location: Ronda Bolinger - VP153685