## **OIL ANALYSIS REPORT**

### WEIR MERCURY 0M976221 - ZEUS - PORT GEARBOX

Sample No: VPA059688

Oil Type: MERCURY 90 HD

SAMPLE INFORM	ATION			
Sample Number		VPA059688	 	
Sample Date		09 Jan 2024	 	
Machine Hours		236	 	
Oil Hours		236	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 40°C	cSt	<b>166</b>	 	
CONTAMINATION				
Water	%	<b>0.202</b>	 	
Silicon	ppm	2	 	
Sodium	ppm	0	 	
Potassium	ppm	<b></b> <1	 	
WEAR METALS				
PQ		<b>46</b>	 	
Iron	ppm	<b>200</b>	 	
Copper	ppm	21	 	
Lead	ppm	<b>  </b> <1	 	
Tin	ppm	0	 	
Aluminum	ppm	5	 	
Chromium	ppm	2	 	
Molybdenum	ppm	79	 	
Nickel	ppm	<b>1</b>	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	4	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	64	 	
Magnesium	ppm	4	 	
Zinc	ppm	22	 	
Phosphorus	ppm	412	 	
Barium	ppm	<1	 	
Boron	ppm	0	 	

### VOLVO PENTA

Walstrom Marine - 767948 501 Bay Street HARBOR SPRINGS, MI US 49740 Contact: RICK HEINY rheiny@walstrom.com T:

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Gear wear is indicated. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP154879

 Unique No:
 10832888

 Signed:
 Jonathan Hester

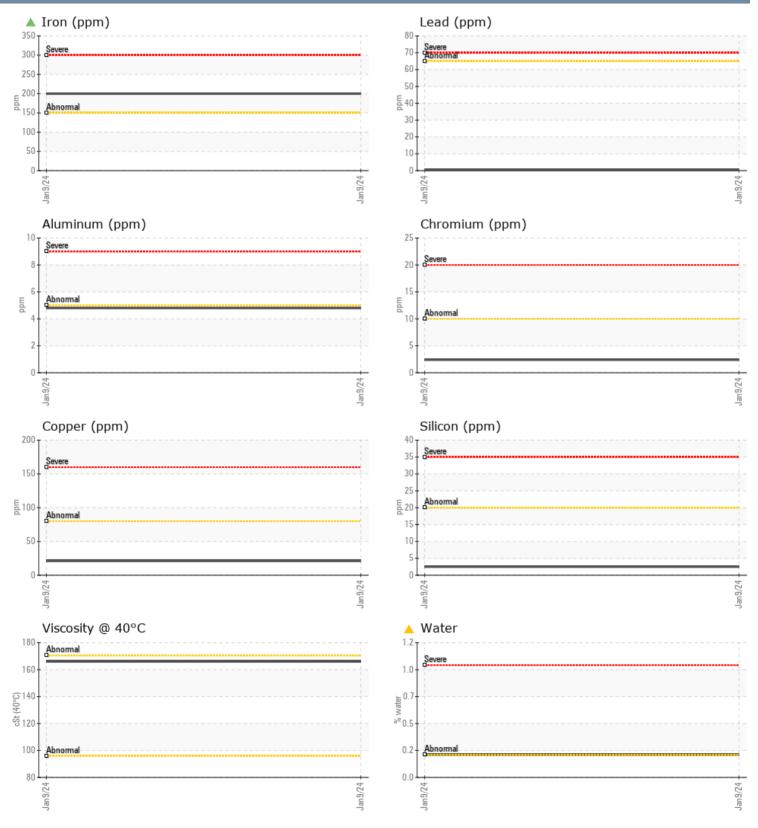
 Report Date:
 18 Jan 2024

Contact/Location: RICK HEINY - VP154879

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#### GRAPHS



Report Id: VP154879 [WUSCAR] 06061506 (Generated: 01/25/2024 15:50:15) Rev: 1

Contact/Location: RICK HEINY - VP154879