



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**IPS OFF LEASH**

Component  
**Starboard Transmission**

Fluid  
**VOLVO PENTA GL-5 SAE 75W90 (4 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0838600</b>	---	---
Sample Date	Client Info	<b>29 Oct 2023</b>	---	---
Machine Age	hrs Client Info	<b>387</b>	---	---
Oil Age	hrs Client Info	<b>145</b>	---	---
Oil Changed	Client Info	<b>Not Chngd</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	<b>109</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>1</b>	---	---
Nickel ppm ASTM D5185m		<b>2</b>	---	---
Titanium ppm ASTM D5185m		<b>0</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>50	<b>1</b>	---	---
Lead ppm ASTM D5185m	>50	<b>&lt;1</b>	---	---
Copper ppm ASTM D5185m	>200	<b>9</b>	---	---
Tin ppm ASTM D5185m	>10	<b>0</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>&lt;1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		<b>281</b>	---	---
Barium ppm ASTM D5185m		<b>2</b>	---	---
Molybdenum ppm ASTM D5185m		<b>&lt;1</b>	---	---
Manganese ppm ASTM D5185m		<b>2</b>	---	---
Magnesium ppm ASTM D5185m		<b>24</b>	---	---
Calcium ppm ASTM D5185m		<b>11</b>	---	---
Phosphorus ppm ASTM D5185m		<b>1283</b>	---	---
Zinc ppm ASTM D5185m		<b>3</b>	---	---
Sulfur ppm ASTM D5185m		<b>25032</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>50	<b>14</b>	---	---
Sodium ppm ASTM D5185m		<b>3</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>2</b>	---	---

## FLUID DEGRADATION

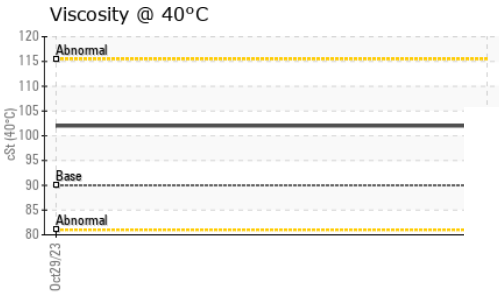
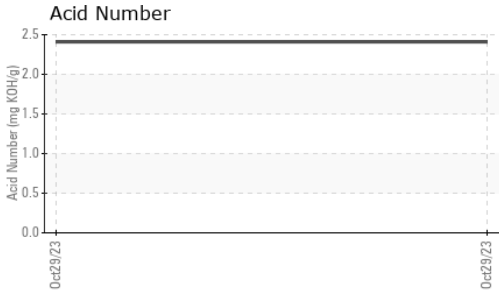
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		<b>2.41</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>NONE</b>	---	---
Debris scalar *Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt scalar *Visual	NONE	<b>NONE</b>	---	---
Appearance scalar *Visual	NORML	<b>NORML</b>	---	---
Odor scalar *Visual	NORML	<b>NORML</b>	---	---
Emulsified Water scalar *Visual	>0.1	<b>NEG</b>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---



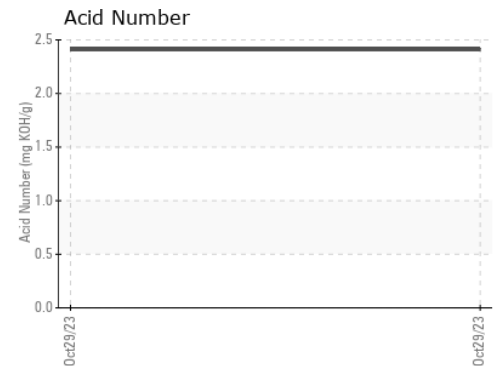
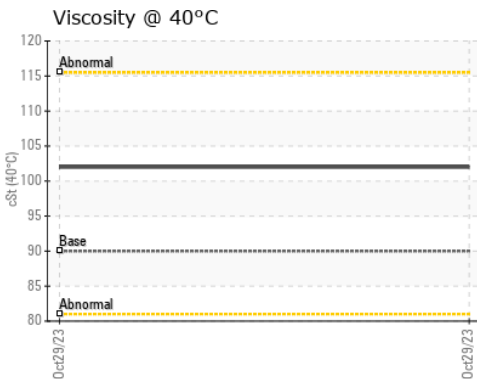
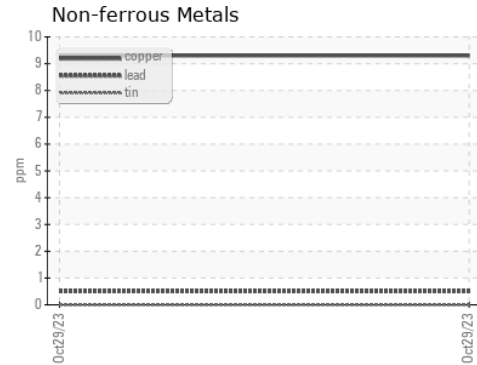
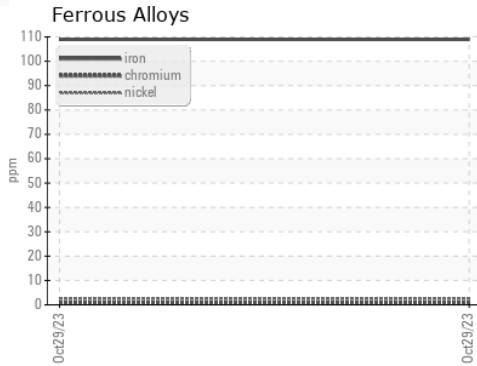
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	90.0	<b>102</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0838600 **Received** : 06 Nov 2023  
**Lab Number** : 05999191 **Diagnosed** : 07 Nov 2023  
**Unique Number** : 10727551 **Diagnostician** : Don Baldrige  
**Test Package** : MAR 2

**MIKE ECKARDT**  
 34 BROADFIELD RD  
 NEW ROCHELLE, NY  
 US 10804  
 Contact: MIKE ECKARDT  
 meckardt88@hotmail.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
F: