



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id  
**EGR-26112 Stbd Steering**  
Component  
**Forward Pump**  
Fluid  
**SHELL TELLUS S2 VX 32 (250 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0739317</b>	WC0827862	---
Sample Date		Client Info		<b>18 Apr 2024</b>	01 Sep 2023	---
Machine Age	hrs	Client Info		<b>8869</b>	8271	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>4</b>	3	---
Chromium	ppm	ASTM D5185(m)	>7	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)		<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>0</b>	0	---
Lead	ppm	ASTM D5185(m)	>35	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>50	<b>1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

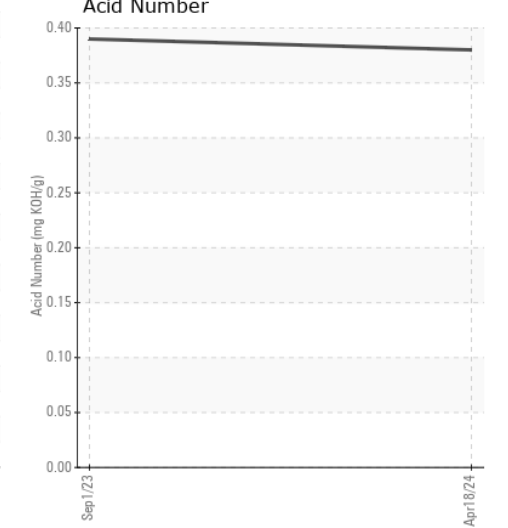
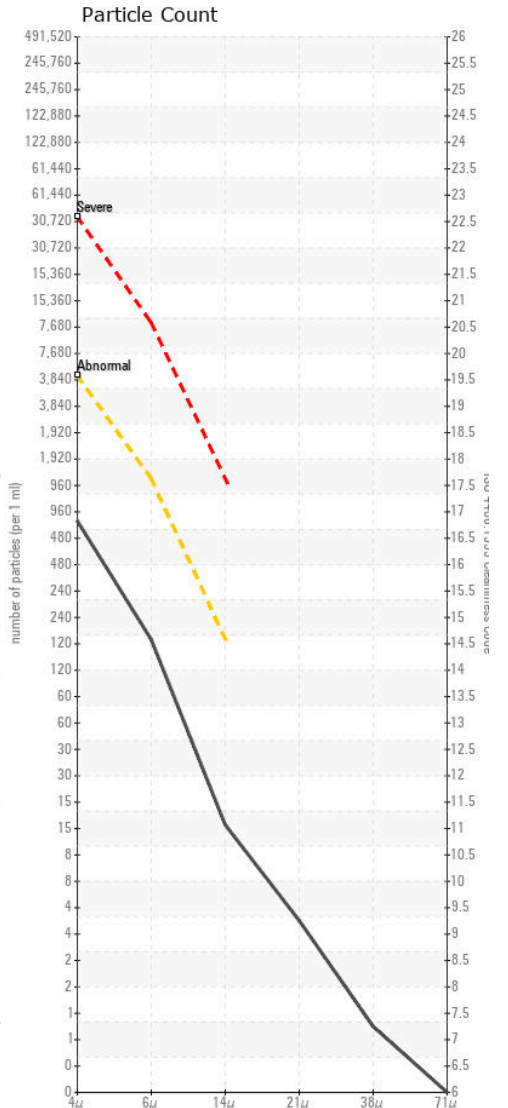
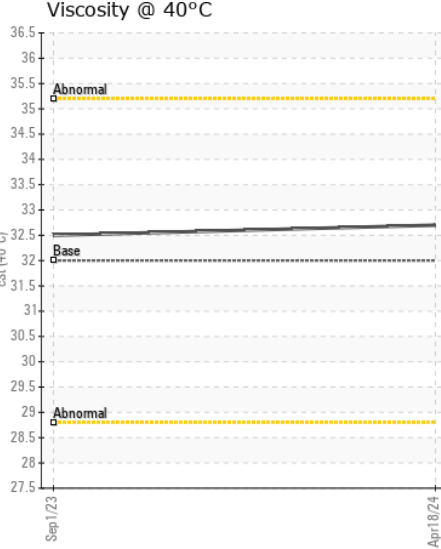
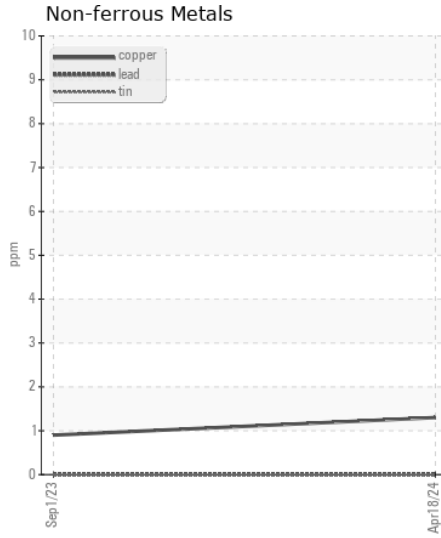
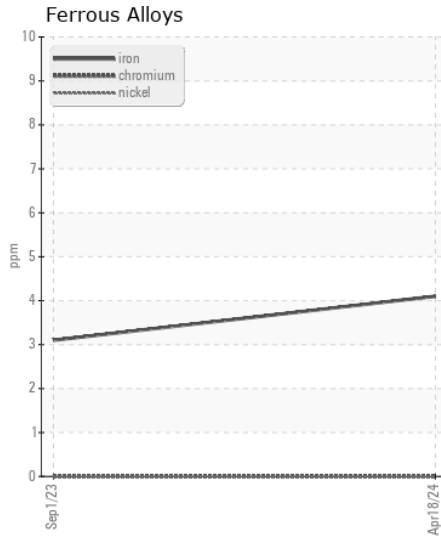
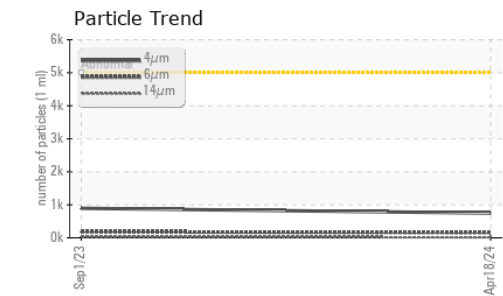
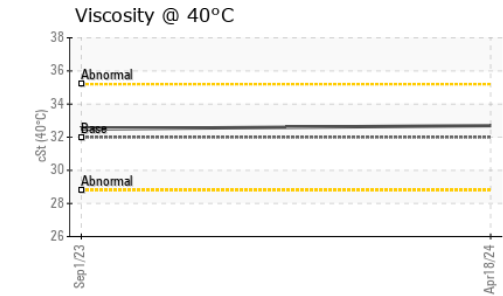
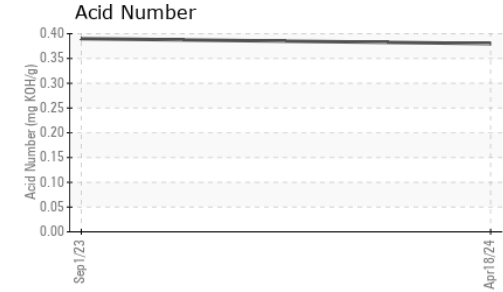
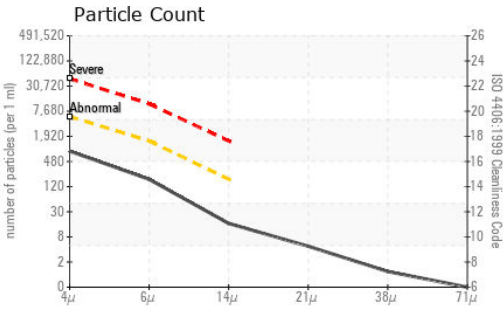
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>50	<b>0</b>	0	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Water		WC Method	>.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>748</b>	895	---
Particles >6µm		ASTM D7647	>1300	<b>158</b>	183	---
Particles >14µm		ASTM D7647	>160	<b>14</b>	28	---
Particles >21µm		ASTM D7647	>40	<b>4</b>	6	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	1	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>17/14/11</b>	17/15/12	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)		<b>64</b>	70	---
Calcium	ppm	ASTM D5185(m)		<b>16</b>	15	---
Phosphorus	ppm	ASTM D5185(m)		<b>277</b>	317	---
Zinc	ppm	ASTM D5185(m)		<b>328</b>	345	---
Sulfur	ppm	ASTM D5185(m)		<b>702</b>	714	---
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.38</b>	0.39	---
Visc @ 40°C	cSt	ASTM D7279(m)	32	<b>32.7</b>	32.5	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0739317  
**Lab Number** : 02632590  
**Unique Number** : 5773743  
**Test Package** : MAR 2  
**Received** : 01 May 2024  
**Tested** : 02 May 2024  
**Diagnosed** : 02 May 2024 - Wes Davis

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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.