



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**CATERPILLAR 2022300**  
Component  
**Right Final Drive**  
Fluid  
**SAE 80W90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

**WEAR**

All component wear rates are normal.

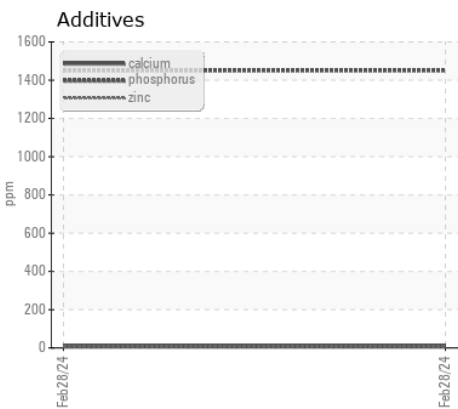
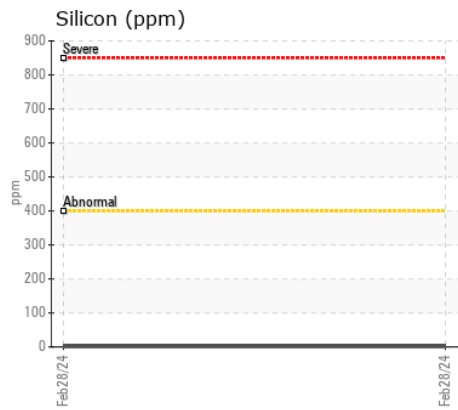
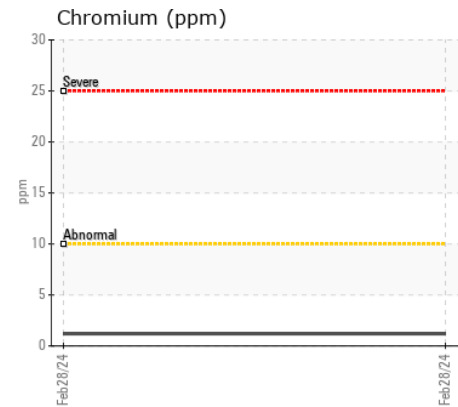
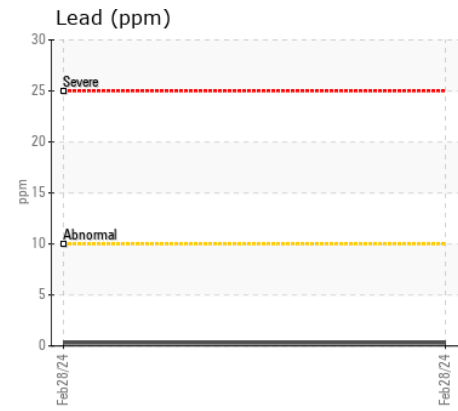
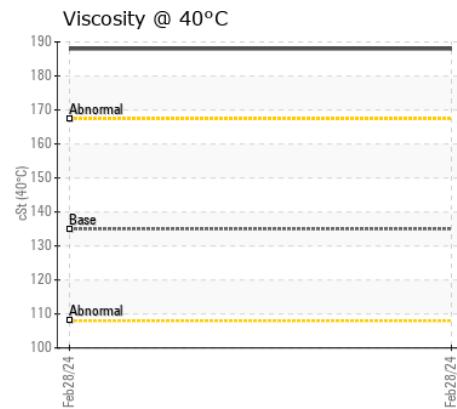
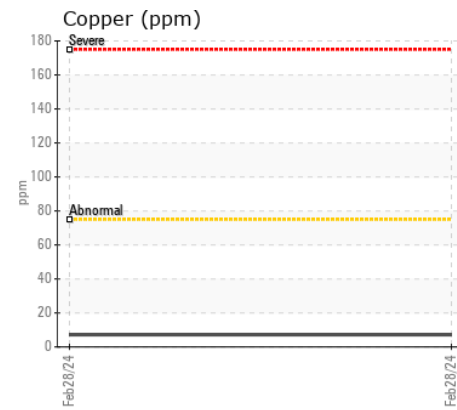
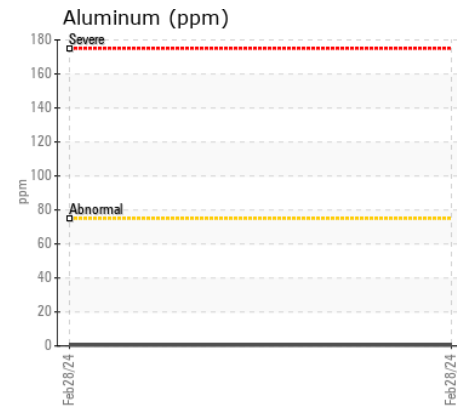
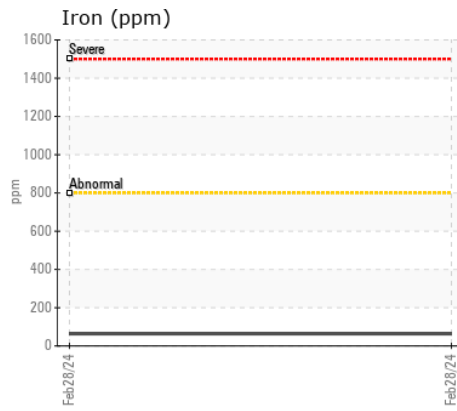
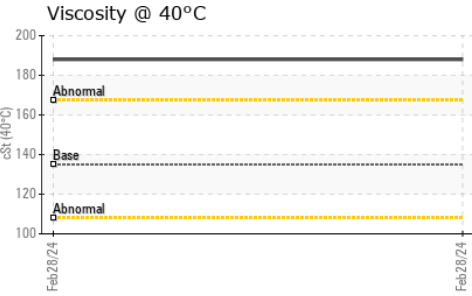
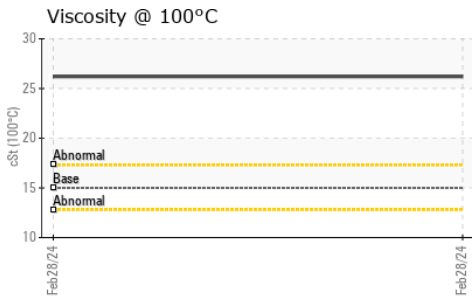
**CONTAMINATION**

There is no indication of any contamination in the oil.

**FLUID CONDITION**

Viscosity of sample indicates oil is within SAE 75W140 range, advise investigate. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0084969</b>	---	---
Sample Date		Client Info		<b>28 Feb 2024</b>	---	---
Machine Age	hrs	Client Info		<b>280</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---
<hr/>						
Iron	ppm	ASTM D5185(m)	>800	<b>64</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	>15	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>75	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>75	<b>7</b>	---	---
Tin	ppm	ASTM D5185(m)	>8	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
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Silicon	ppm	ASTM D5185(m)	>400	<b>2</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	---	---
Water		WC Method	>0.2	<b>NEG</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*	>0.2	<b>NEG</b>	---	---
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Sodium	ppm	ASTM D5185(m)	>50	<b>3</b>	---	---
Boron	ppm	ASTM D5185(m)	200	<b>161</b>	---	---
Barium	ppm	ASTM D5185(m)	0	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>2</b>	---	---
Magnesium	ppm	ASTM D5185(m)	0	<b>2</b>	---	---
Calcium	ppm	ASTM D5185(m)	20	<b>8</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1000	<b>1451</b>	---	---
Zinc	ppm	ASTM D5185(m)	20	<b>5</b>	---	---
Sulfur	ppm	ASTM D5185(m)	22000	<b>20463</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	135	<b>188</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	<b>26.2</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	112	<b>174</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0084969 **Received** : 04 Mar 2024  
**Lab Number** : 02619635 **Tested** : 04 Mar 2024  
**Unique Number** : 5736745 **Diagnosed** : 04 Mar 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

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.

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