



Machine Id  
**CATERPILLAR 972H 2221104**  
Component  
**Hydraulic System**  
Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

**WEAR**

All component wear rates are normal.

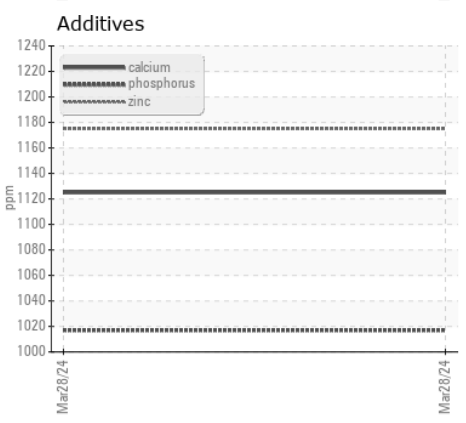
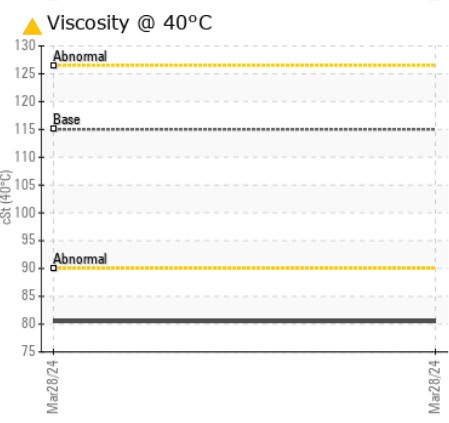
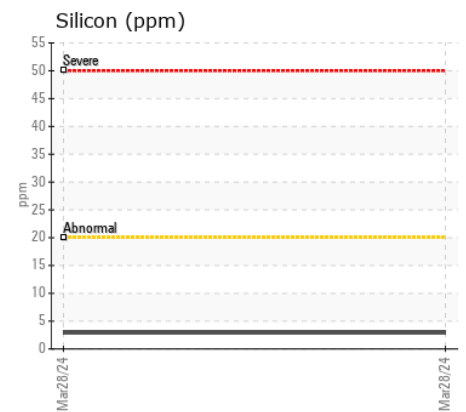
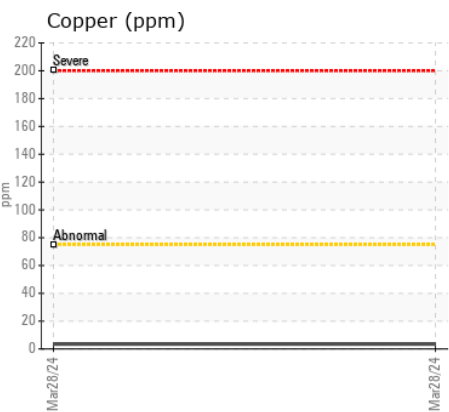
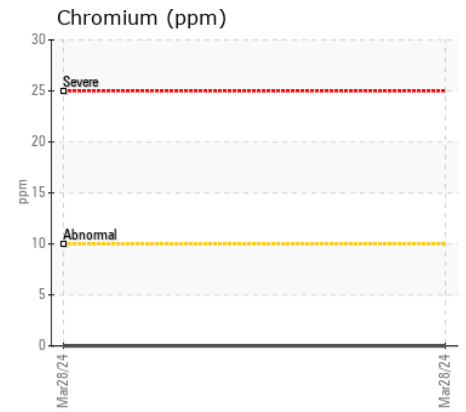
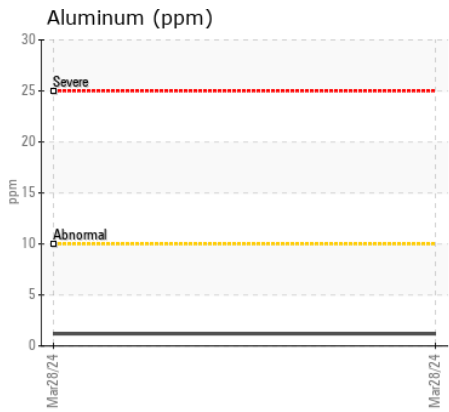
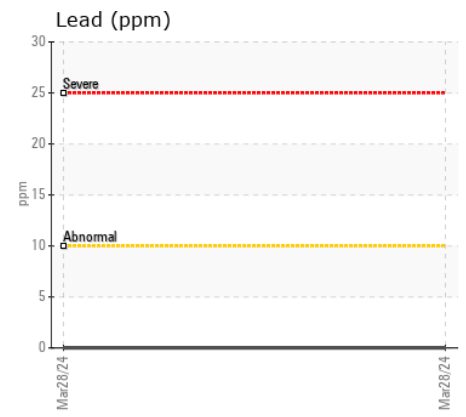
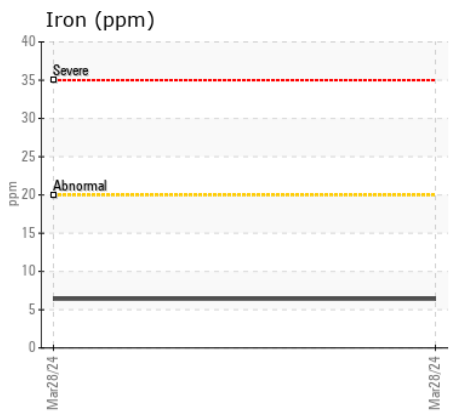
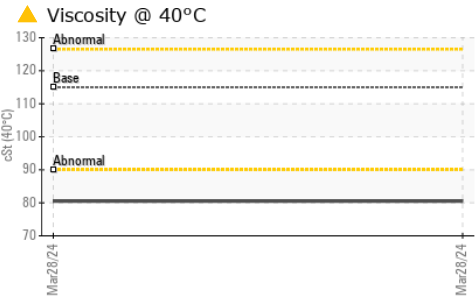
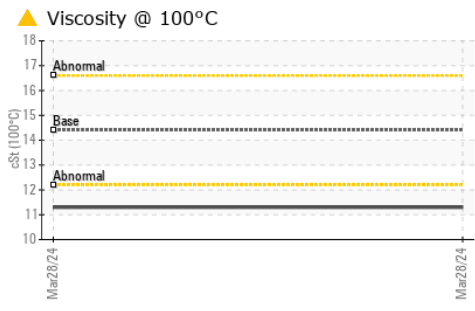
**CONTAMINATION**

There is no indication of any contamination in the component(unconfirmed).

**FLUID CONDITION**

Viscosity of sample indicates oil is within SAE 10W30 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>PC0088937</b>	---	---
Sample Date		Client Info		<b>28 Mar 2024</b>	---	---
Machine Age	hrs	Client Info		<b>21060</b>	---	---
Oil Age	hrs	Client Info		<b>2000</b>	---	---
Filter Age	hrs	Client Info		<b>500</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---
Iron	ppm	ASTM D5185(m)	>20	<b>6</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>75	<b>4</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<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>	---	---
Silicon	ppm	ASTM D5185(m)	>20	<b>3</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Silt	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Debris	scalar	Visual*	NONE	<b>VLITE</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>	---	---
Sodium	ppm	ASTM D5185(m)	>158	<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)	250	<b>4</b>	---	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>57</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	450	<b>922</b>	---	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1125</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1017</b>	---	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1175</b>	---	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2628</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	115	<b>▲ 80.5</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>▲ 11.3</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	<b>130</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0088937 **Received** : 19 Apr 2024  
**Lab Number** : 02630288 **Tested** : 22 Apr 2024  
**Unique Number** : 5763420 **Diagnosed** : 22 Apr 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

**LAVIS CONTRACTING**  
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 F: (519)482-7886

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.