



# OIL ANALYSIS REPORT

Sample Rating Trend

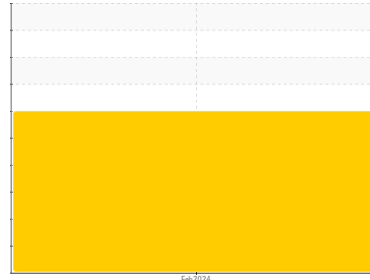
WEAR



Machine Id  
**3086**

Component  
**Transmission (Manual)**

Fluid  
**CHEVRON TRANS DRIVE TO-4 SAE 50 (--- QTS)**



## DIAGNOSIS

### ▲ Recommendation

We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition.

### ▲ Wear

The aluminum level is severe. Torque converter wear is indicated.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0625660</b>	---	---
Sample Date	Client Info		<b>22 Feb 2024</b>	---	---
Machine Age	mls	Client Info	<b>248000</b>	---	---
Oil Age	mls	Client Info	<b>248000</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>SEVERE</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>181</b>	---
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Silver	ppm	ASTM D5185m	>7	<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>25	<b>▲ 120</b>	---
Lead	ppm	ASTM D5185m	>45	<b>2</b>	---
Copper	ppm	ASTM D5185m	>225	<b>49</b>	---
Tin	ppm	ASTM D5185m	>10	<b>2</b>	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>282</b>	---
Barium	ppm	ASTM D5185m		<b>7</b>	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	---
Manganese	ppm	ASTM D5185m		<b>14</b>	---
Magnesium	ppm	ASTM D5185m		<b>25</b>	---
Calcium	ppm	ASTM D5185m		<b>91</b>	---
Phosphorus	ppm	ASTM D5185m		<b>1093</b>	---
Zinc	ppm	ASTM D5185m		<b>48</b>	---
Sulfur	ppm	ASTM D5185m		<b>353</b>	---

## CONTAMINANTS

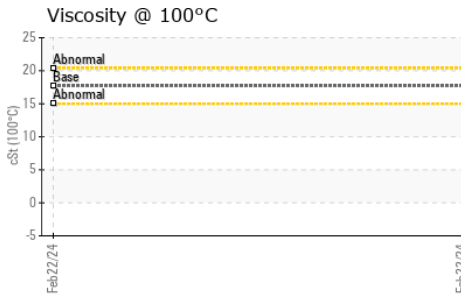
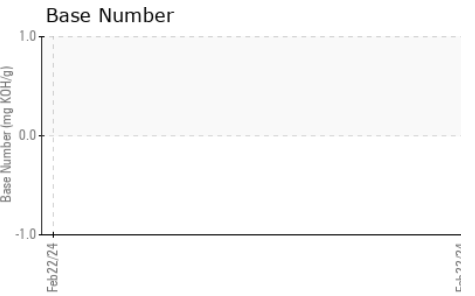
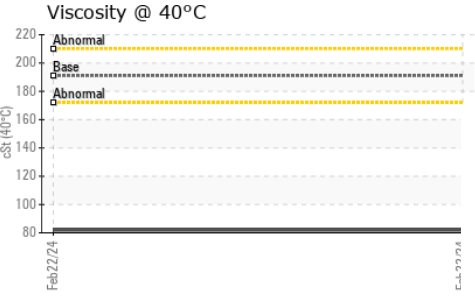
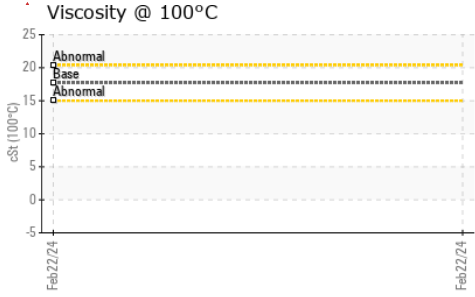
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	<b>16</b>	---
Sodium	ppm	ASTM D5185m		<b>13</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	---

## 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>	---



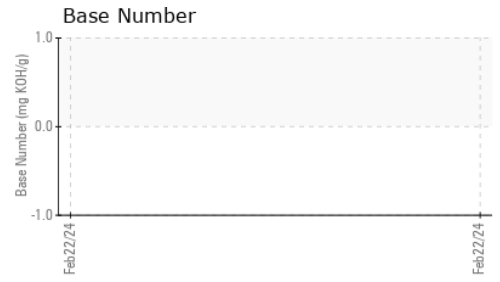
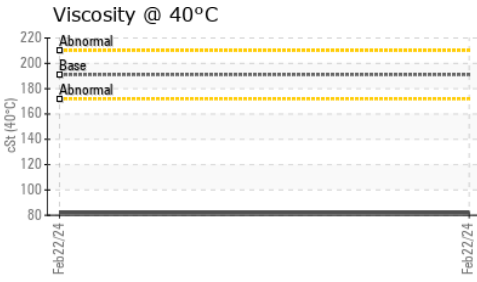
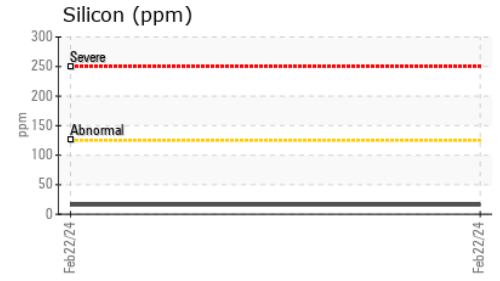
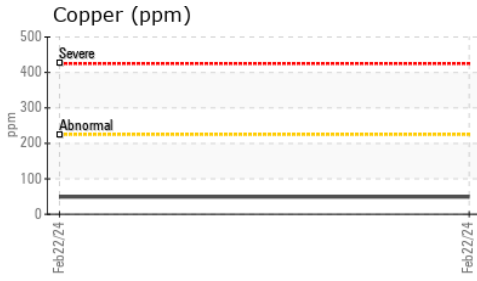
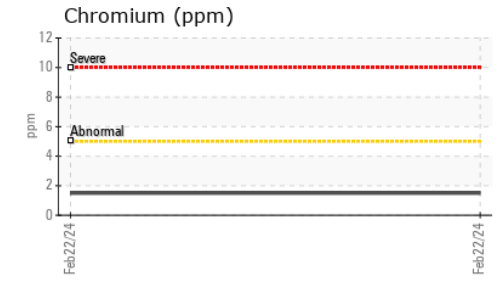
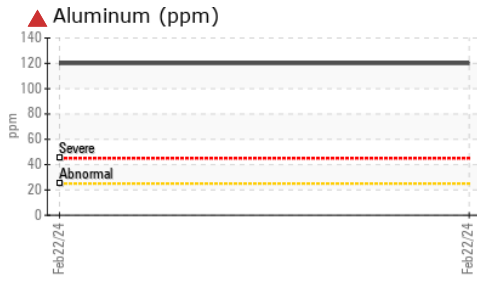
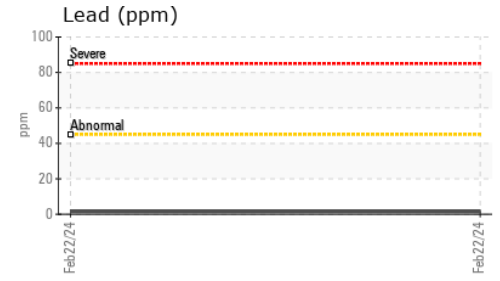
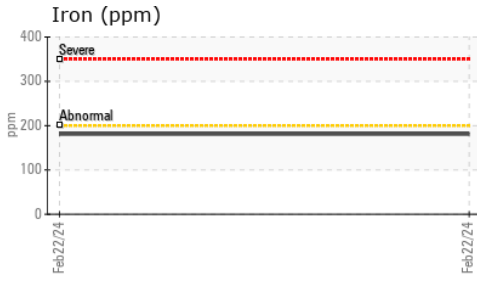
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	191	<b>81.98</b>	---	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0625660      **Received** : 26 Feb 2024  
**Lab Number** : **06100700**      **Tested** : 01 Mar 2024  
**Unique Number** : 10898930      **Diagnosed** : 01 Mar 2024 - Jonathan Hester  
**Test Package** : MOB1+ ( Additional Tests: FT-IR, KV100, TBN )

**LTI/MILKY WAY - MOUNT VERNON**  
 3814 OLD HWY 99 S RD  
 MOUNT VERNON, WA  
 US 98273  
 Contact: JOHN VAN WINGERDEN  
 jvw@lynden.com  
 T: (360)354-2101  
 F: (360)354-3571

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)