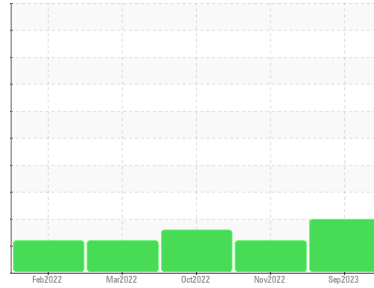




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area  
**GUAY SON [CONHER]**  
 Machine Id  
**MAIN ENGINE**  
 Component  
**Transmission (Manual)**  
 Fluid  
**RALOY SAE 50 (--- GAL)**

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of particulates present 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>KL0012840</b>	KL0011232	KL0010143
Sample Date	Client Info		<b>20 Sep 2023</b>	12 Nov 2022	05 Oct 2022
Machine Age	hrs	Client Info	<b>11068</b>	10850	10060
Oil Age	hrs	Client Info	<b>5</b>	790	233
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>110</b>	150	66
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m >7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>3</b>	2	1
Lead	ppm	ASTM D5185m >45	<b>1</b>	3	2
Copper	ppm	ASTM D5185m >225	<b>21</b>	70	39
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	2
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	<1	4
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	1	2
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	2	<1
Magnesium	ppm	ASTM D5185m	<b>21</b>	17	13
Calcium	ppm	ASTM D5185m	<b>3196</b>	3383	3461
Phosphorus	ppm	ASTM D5185m	<b>1071</b>	882	956
Zinc	ppm	ASTM D5185m	<b>1291</b>	837	1029
Sulfur	ppm	ASTM D5185m	<b>6451</b>	6539	7156

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	<b>19</b>	28	9
Sodium	ppm	ASTM D5185m	<b>18</b>	5	0
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	2

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>178920</b>	---	302502
Particles >6µm	ASTM D7647	>2500	<b>▲ 128958</b>	---	▲ 129699
Particles >14µm	ASTM D7647	>320	<b>▲ 14056</b>	---	▲ 5671
Particles >21µm	ASTM D7647	>80	<b>▲ 1876</b>	---	▲ 673
Particles >38µm	ASTM D7647	>20	<b>▲ 13</b>	---	15
Particles >71µm	ASTM D7647	>4	<b>0</b>	---	0
Oil Cleanliness	ISO 4406 (c)	>18/15	<b>▲ 24/21</b>	---	▲ 24/20

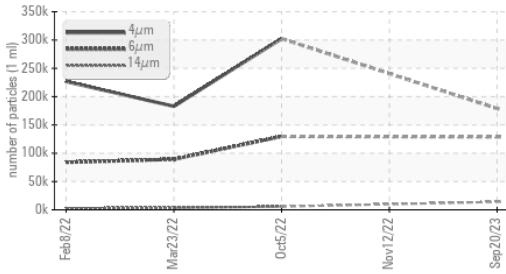
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.51</b>	0.69	1.19

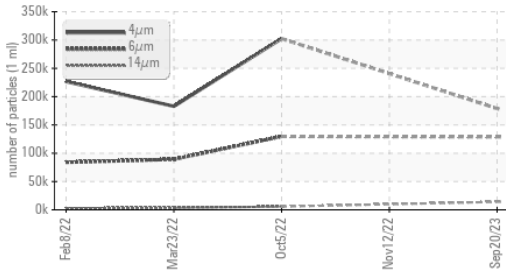


# OIL ANALYSIS REPORT

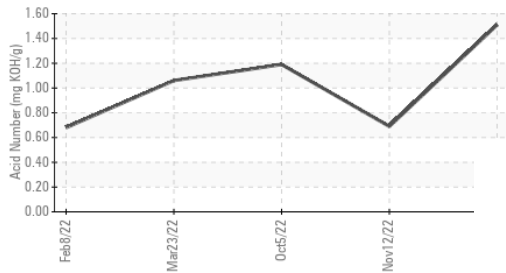
## Particle Trend



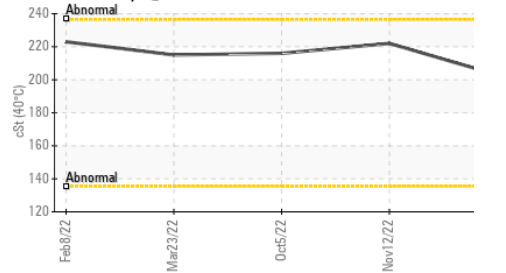
## Particle Trend



## Acid Number



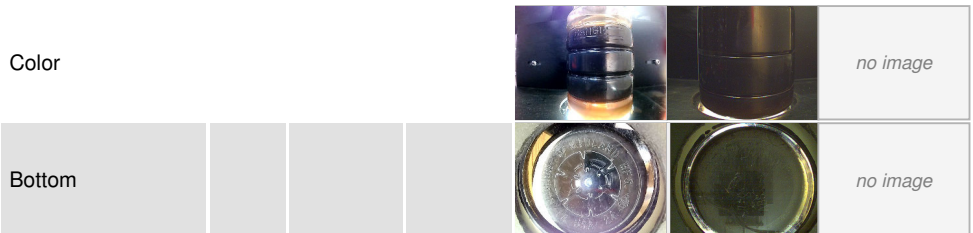
## Viscosity @ 40°C



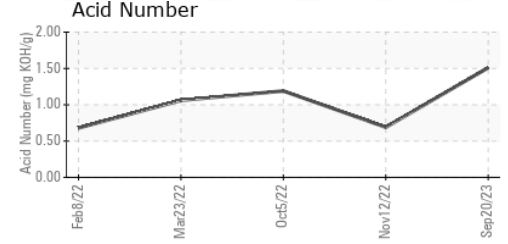
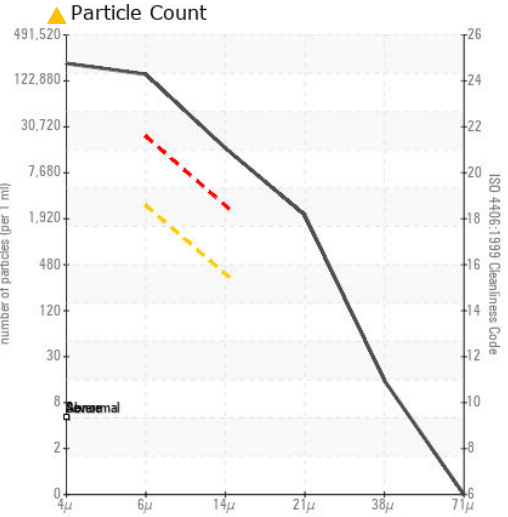
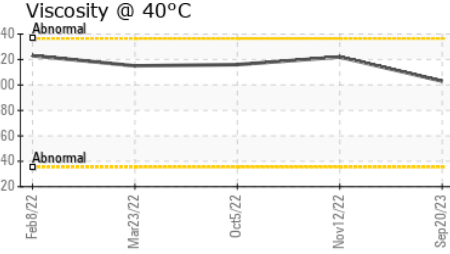
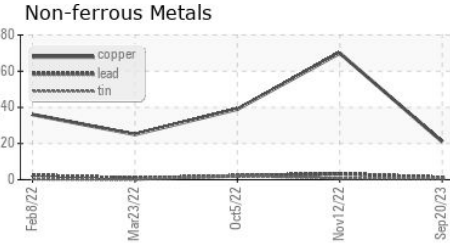
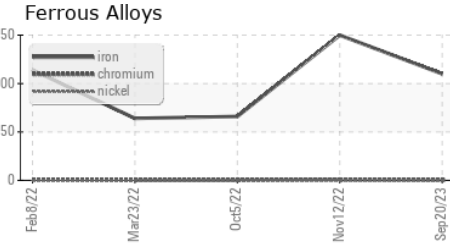
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>▲ MODER</b>	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>203</b>	222	216

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KL0012840 **Received** : 29 Sep 2023  
**Lab Number** : 05964563 **Diagnosed** : 02 Oct 2023  
**Unique Number** : 10671114 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: PrtCount )

**CONOR**  
 JUAREZ 348  
 HERMOSILLO,  
 MX 83140  
 Contact: EDUARDO GARCIA  
 egarcia.comsa@gmail.com  
 T: (526)622-1581 x:81  
 F: x:

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)