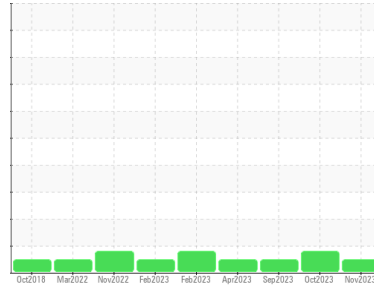




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**GUAY SON [CONHER]**  
 Machine Id  
**IBACO COZAR VII**  
 Component  
**Transmission (Manual)**  
 Fluid  
**RALLOY SAE 50 (--- LTR)**

## DIAGNOSIS

### 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 fluid. The amount and size of particulates present in the system are acceptable.

### 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>KL0013356</b>	KL0013314	KL0012871
Sample Date	Client Info		<b>01 Nov 2023</b>	17 Oct 2023	20 Sep 2023
Machine Age	hrs	Client Info	<b>17869</b>	17522	17044
Oil Age	hrs	Client Info	<b>345</b>	480	1871
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changed
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>2</b>	4	2
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m >45	<b>1</b>	2	0
Copper	ppm	ASTM D5185m >225	<b>84</b>	85	77
Tin	ppm	ASTM D5185m >10	<b>0</b>	<1	<1
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>	0	0
Barium	ppm	ASTM D5185m	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>10</b>	9	14
Calcium	ppm	ASTM D5185m	<b>3167</b>	3111	3387
Phosphorus	ppm	ASTM D5185m	<b>901</b>	881	944
Zinc	ppm	ASTM D5185m	<b>748</b>	763	803
Sulfur	ppm	ASTM D5185m	<b>5018</b>	4994	5490

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	<b>5</b>	6	6
Sodium	ppm	ASTM D5185m	<b>2</b>	2	1
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	0

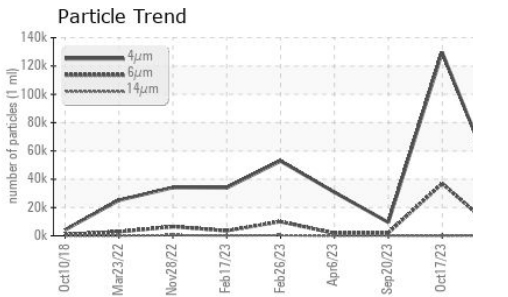
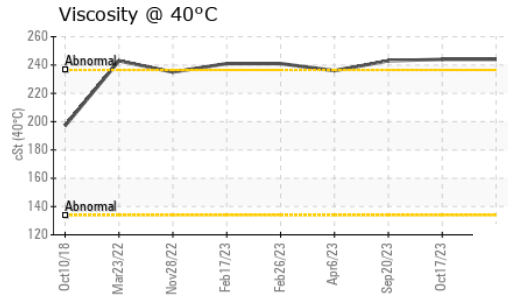
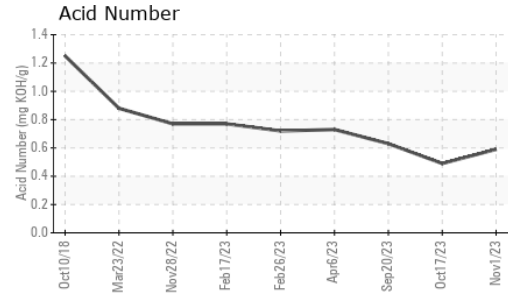
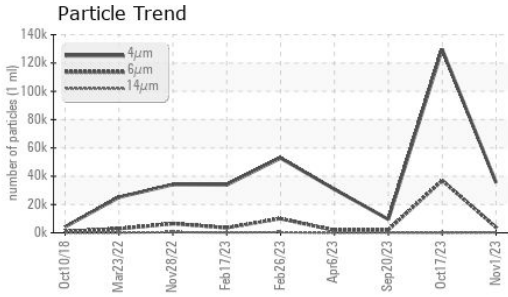
## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>35484</b>	129620	9467
Particles >6µm	ASTM D7647	>5000	<b>3876</b>	▲ 36976	2134
Particles >14µm	ASTM D7647	>640	<b>193</b>	70	191
Particles >21µm	ASTM D7647	>160	<b>36</b>	8	44
Particles >38µm	ASTM D7647	>40	<b>1</b>	1	2
Particles >71µm	ASTM D7647	>10	<b>0</b>	0	1
Oil Cleanliness	ISO 4406 (c)	>19/16	<b>19/15</b>	▲ 22/13	18/15

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.59</b>	0.49	0.63

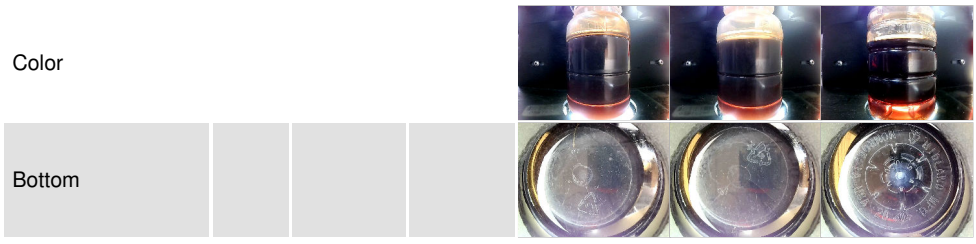
# OIL ANALYSIS REPORT



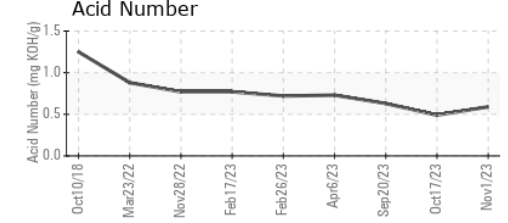
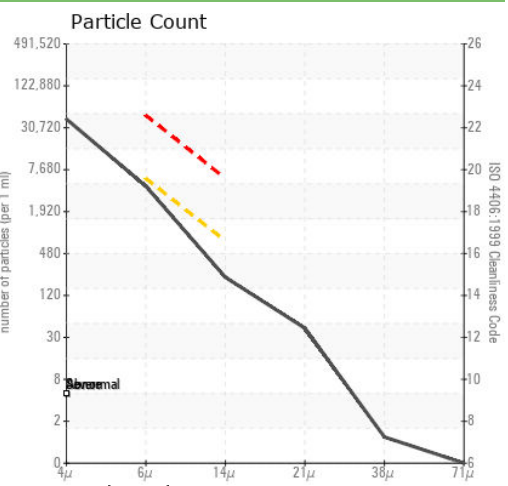
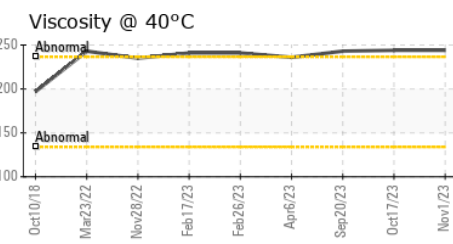
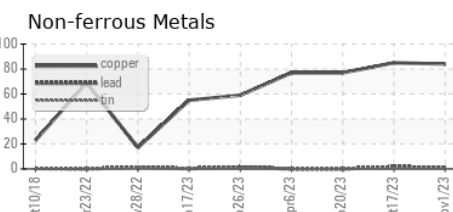
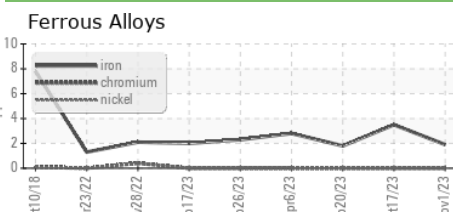
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>244</b>	244	243

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KL0013356 **Received** : 07 Nov 2023  
**Lab Number** : **06001013** **Diagnosed** : 09 Nov 2023  
**Unique Number** : 10729373 **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:

Certificate L2367  
 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)