



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area  
**GUAY SON [CONHER]**  
Machine Id  
**IBACO LOPEZ VENTURA**  
Component  
**Transmission (Manual)**  
Fluid  
**RALYO SAE 50 (40 LTR)**

## RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: Fluid: Raloy SAE 50 )

## WEAR

All component wear rates are normal.

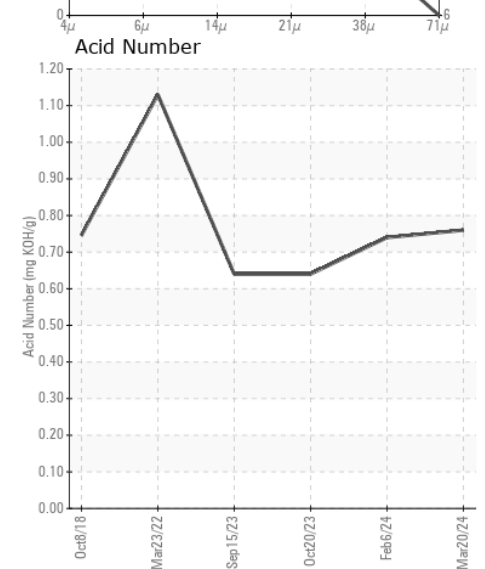
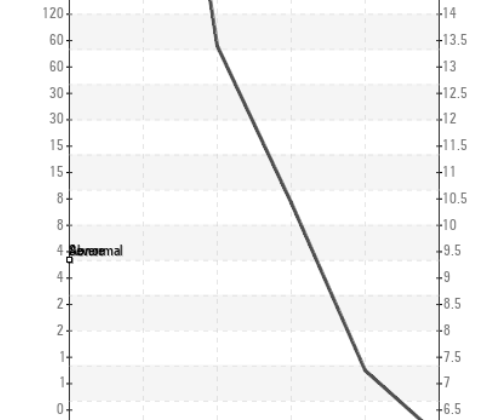
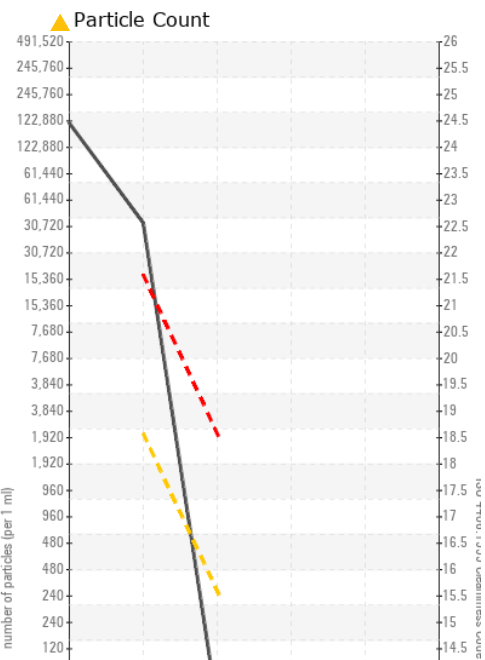
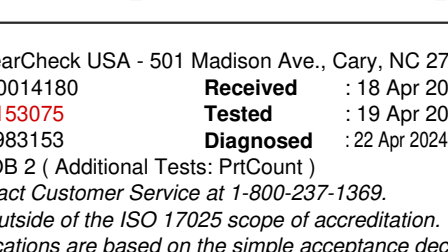
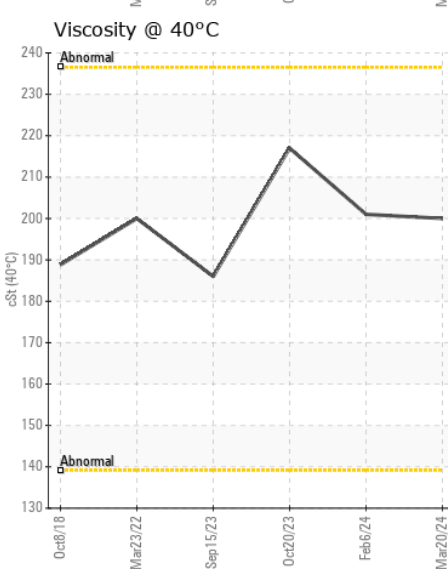
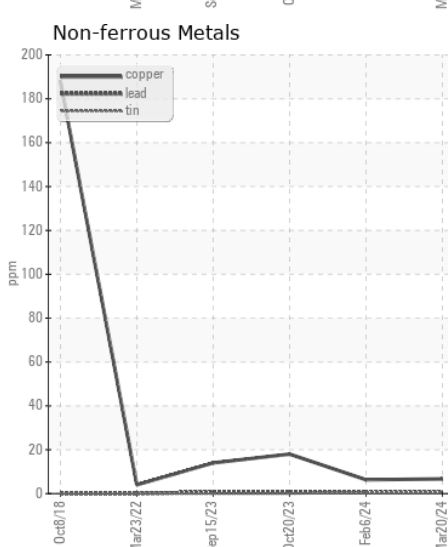
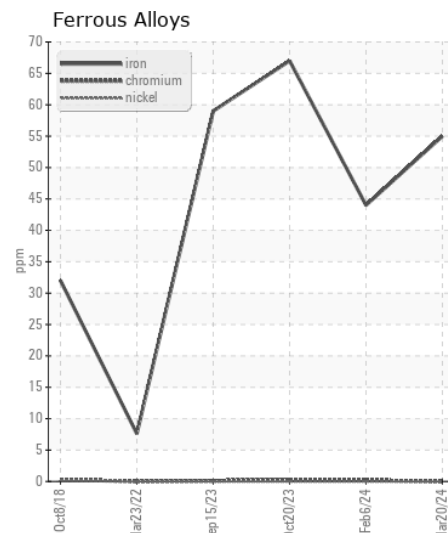
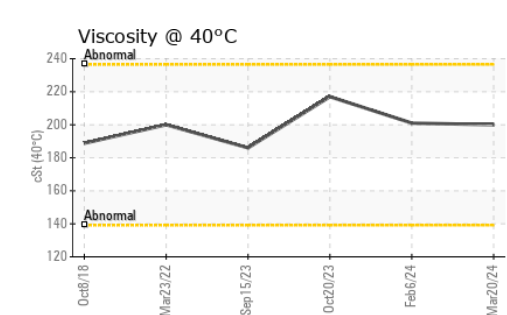
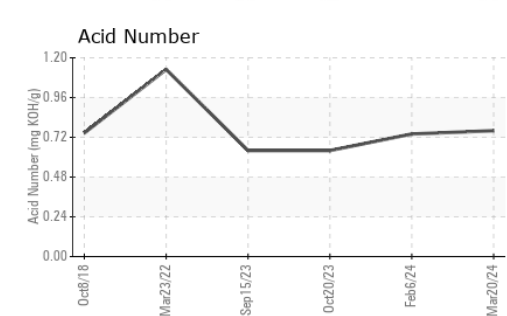
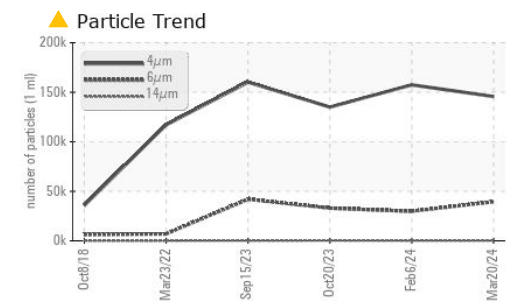
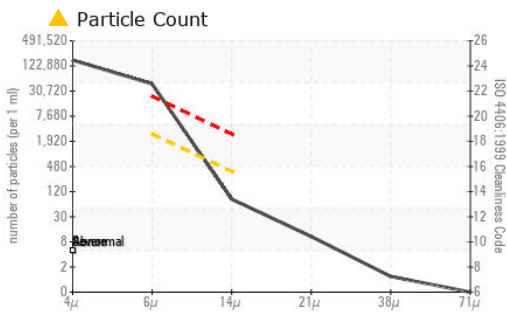
## CONTAMINATION

There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>KL0014180</b>	KL0014129	KL0013317
Sample Date		Client Info		<b>20 Mar 2024</b>	06 Feb 2024	20 Oct 2023
Machine Age	hrs	Client Info		<b>20819</b>	20446	19040
Oil Age	hrs	Client Info		<b>1759</b>	1386	1714
Filter Age	hrs	Client Info		<b>1759</b>	1386	1714
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>200	<b>55</b>	44	67
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
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>0</b>	0	<1
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>225	<b>7</b>	6	18
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>125	<b>10</b>	10	8
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647		<b>145622</b>	157480	134968
Particles >6µm		ASTM D7647	>2500	<b>▲ 39428</b>	▲ 29781	▲ 32977
Particles >14µm		ASTM D7647	>320	<b>70</b>	128	268
Particles >21µm		ASTM D7647	>80	<b>9</b>	11	27
Particles >38µm		ASTM D7647	>20	<b>1</b>	0	1
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>18/15	<b>▲ 22/13</b>	▲ 22/14	▲ 22/15
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>3</b>	<1	2
Boron	ppm	ASTM D5185m		<b>5</b>	3	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>6</b>	5	6
Calcium	ppm	ASTM D5185m		<b>3432</b>	3210	3183
Phosphorus	ppm	ASTM D5185m		<b>1010</b>	908	881
Zinc	ppm	ASTM D5185m		<b>842</b>	771	823
Sulfur	ppm	ASTM D5185m		<b>7902</b>	6073	5423
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.76</b>	0.74	0.64
Visc @ 40°C	cSt	ASTM D445		<b>200</b>	201	217



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KL0014180 **Received** : 18 Apr 2024  
**Lab Number** : 06153075 **Tested** : 19 Apr 2024  
**Unique Number** : 10983153 **Diagnosed** : 22 Apr 2024 - Angela Borella  
**Test Package** : MOB 2 ( Additional Tests: PrtCount )

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)

**CONOR**  
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 MX 83140

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