



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GUAY SON [CONHER]
Machine Id
IBACO BM ISMAR 6
Component
Transmission (Manual)
Fluid
RALYO SAE 50 (60 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample
Comment: Fluid: Raloy SAE 50)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0014189	KL0014126	KL0013347
Sample Date		Client Info		20 Mar 2024	06 Feb 2024	21 Oct 2023
Machine Age	hrs	Client Info		0	14677	14208
Oil Age	hrs	Client Info		534	940	471
Filter Age	hrs	Client Info		534	940	471
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	12	11	9
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>45	<1	<1	<1
Copper	ppm	ASTM D5185m	>225	12	18	22
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

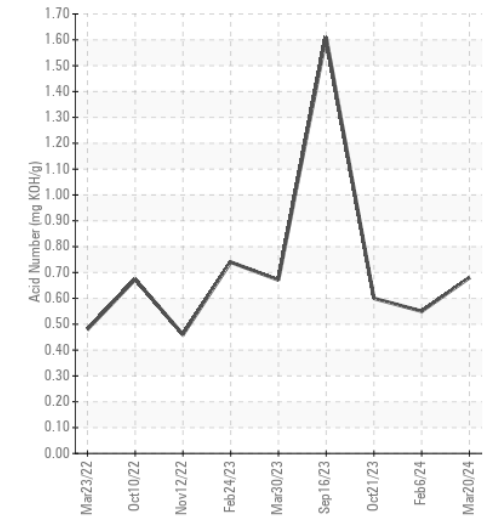
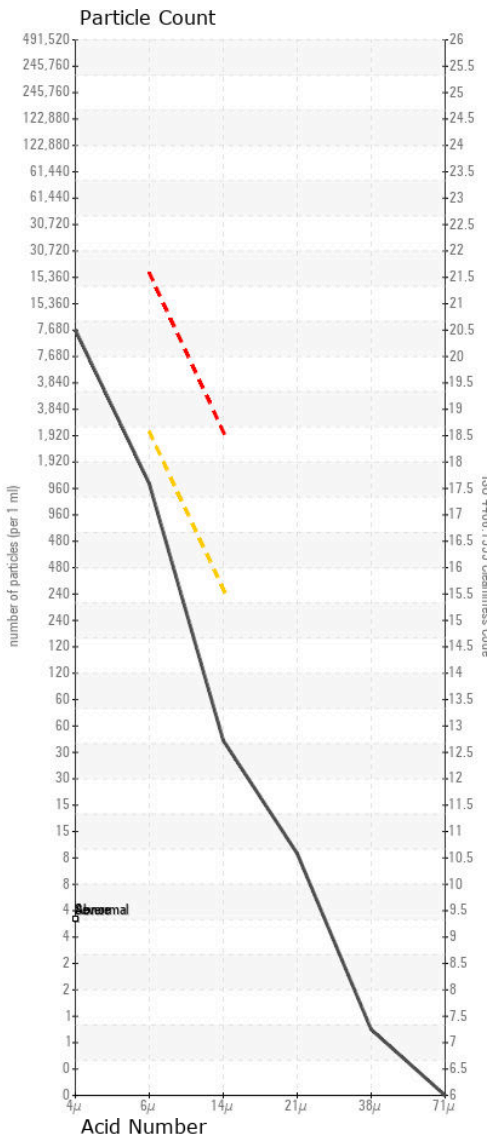
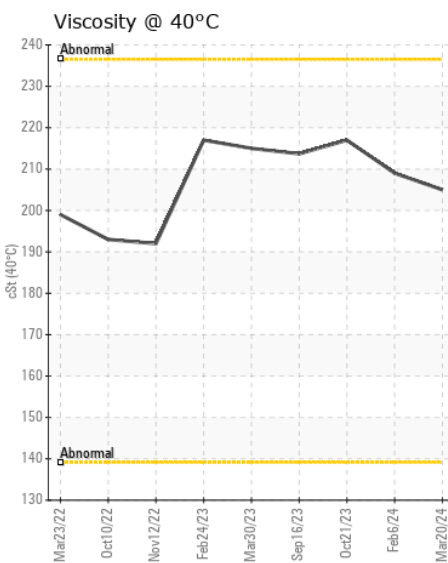
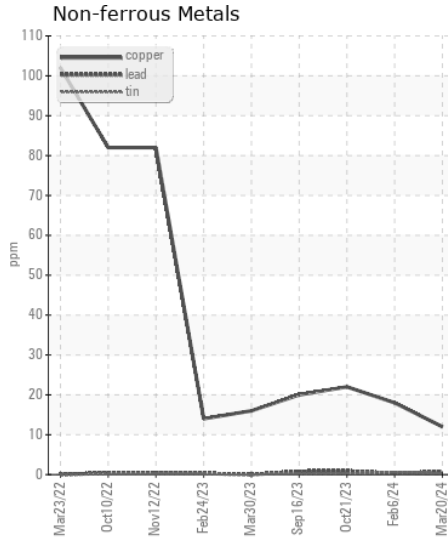
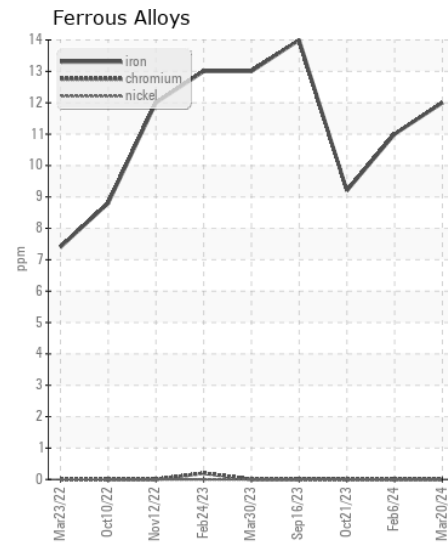
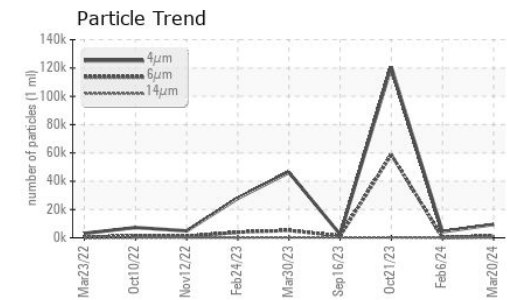
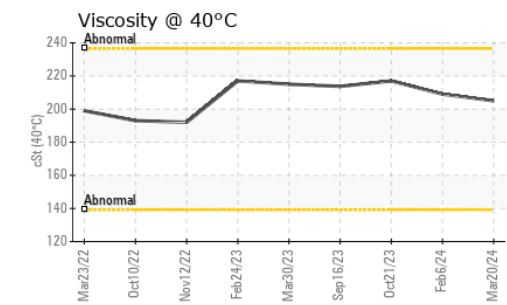
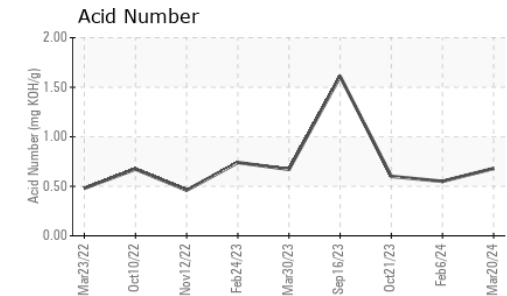
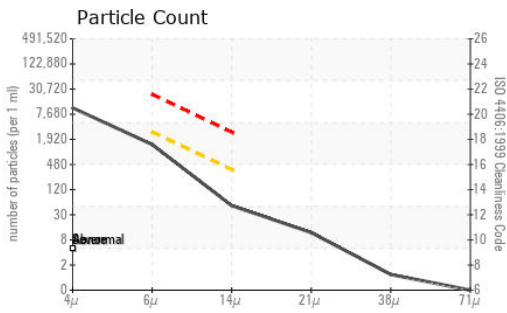
There is no indication of any contamination in the fluid. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>125	6	6	6
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		9471	4268	120774
Particles >6µm		ASTM D7647	>2500	1266	262	▲ 58800
Particles >14µm		ASTM D7647	>320	44	13	208
Particles >21µm		ASTM D7647	>80	10	3	37
Particles >38µm		ASTM D7647	>20	1	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/15	17/13	15/11	▲ 23/15
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	1	2
Boron	ppm	ASTM D5185m		0	<1	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		7	4	10
Calcium	ppm	ASTM D5185m		3305	3076	2956
Phosphorus	ppm	ASTM D5185m		999	900	883
Zinc	ppm	ASTM D5185m		821	745	731
Sulfur	ppm	ASTM D5185m		7726	6267	6054
Acid Number (AN)	mg KOH/g	ASTM D8045		0.68	0.55	0.60
Visc @ 40°C	cSt	ASTM D445		205	209	217



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0014189 **Received** : 18 Apr 2024
Lab Number : 06153088 **Tested** : 19 Apr 2024
Unique Number : 10983166 **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)

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