



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
IBACO [CONHER]
Machine Id
COZAR I
Component
Transmission (Manual)
Fluid
RALYO SAE 50 (40 LTR)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Fluid: Raloy SAE 50)

WEAR

All component wear rates are normal.

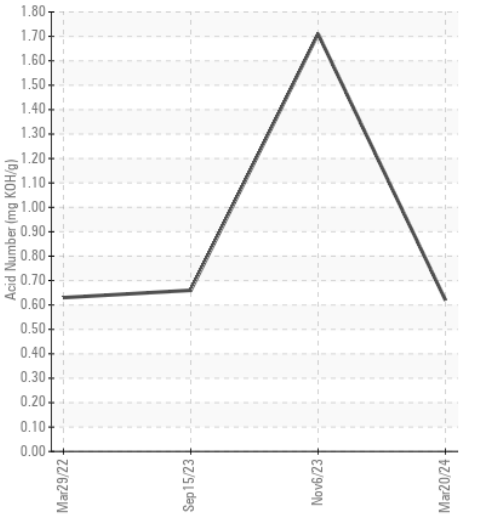
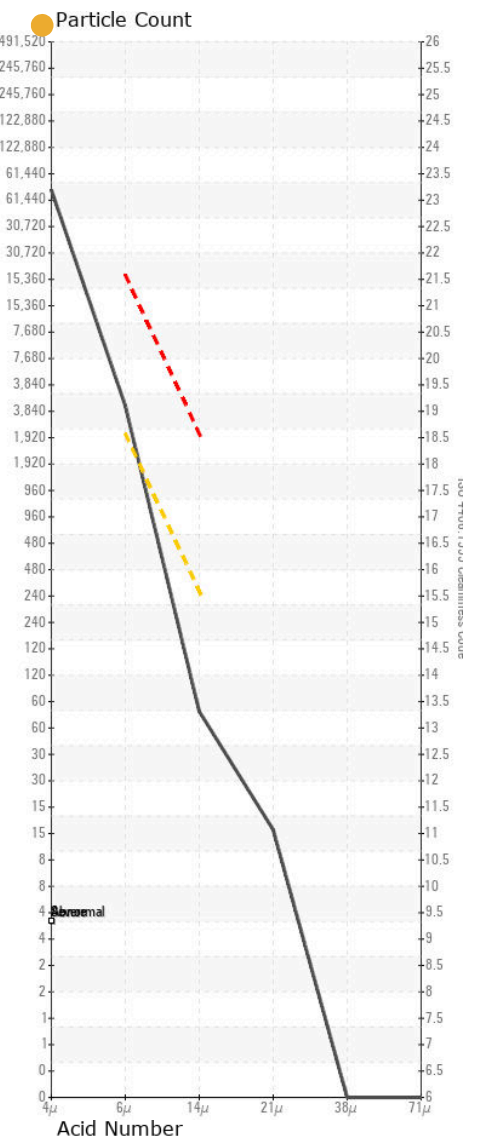
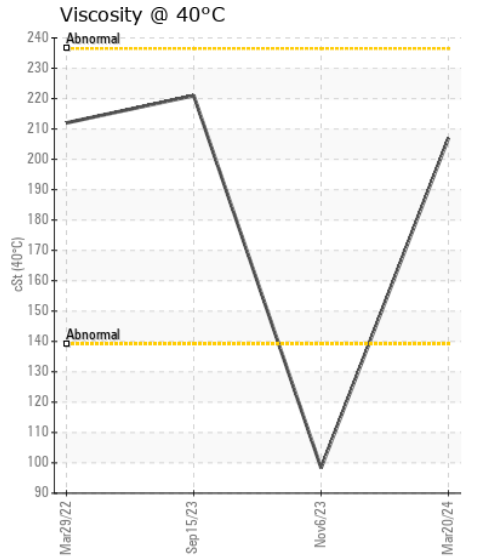
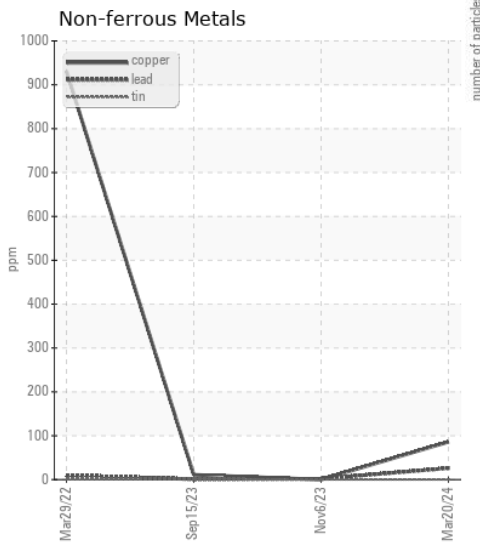
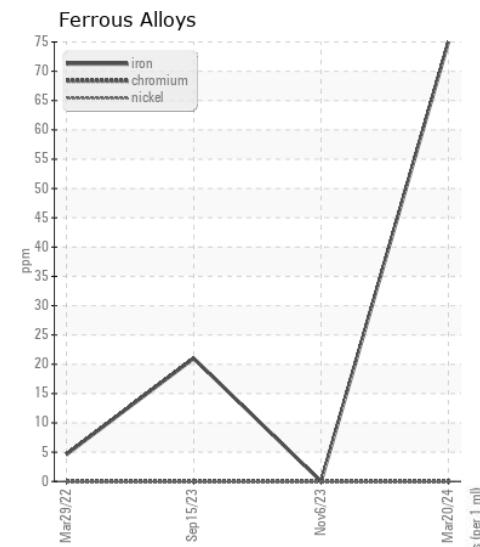
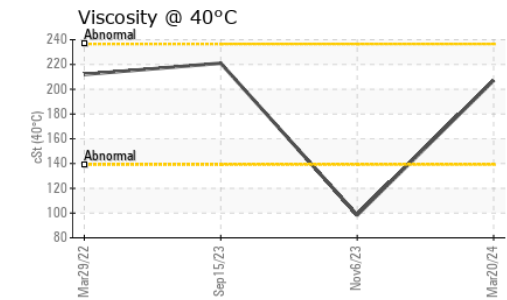
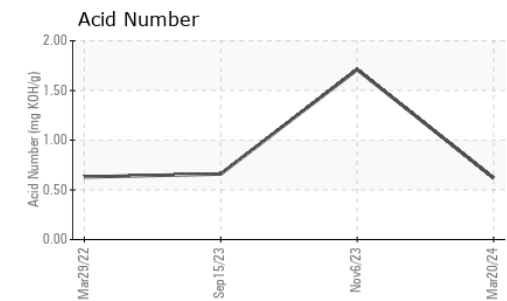
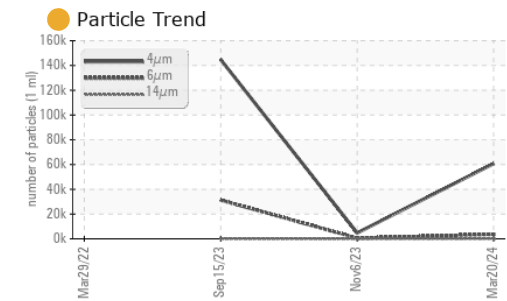
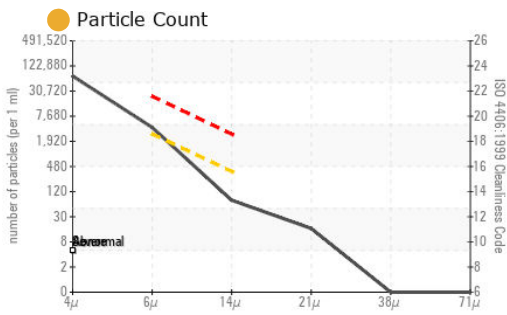
CONTAMINATION

There is a moderate 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 acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0014192	KL0013371	KL0012792
Sample Date		Client Info		20 Mar 2024	06 Nov 2023	15 Sep 2023
Machine Age	hrs	Client Info		0	16750	16025
Oil Age	hrs	Client Info		0	280	15
Filter Age	hrs	Client Info		0	280	15
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>200	75	0	21
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	<1	1	<1
Lead	ppm	ASTM D5185m	>45	26	2	<1
Copper	ppm	ASTM D5185m	>225	86	0	11
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>125	9	9	11
Potassium	ppm	ASTM D5185m	>20	<1	6	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		60776	4735	144655
Particles >6µm		ASTM D7647	>2500	3607	494	31292
Particles >14µm		ASTM D7647	>320	66	14	47
Particles >21µm		ASTM D7647	>80	14	4	8
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	1
Oil Cleanliness		ISO 4406 (c)	>18/15	19/13	16/11	22/13
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
Sodium	ppm	ASTM D5185m		16	0	2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		2	0	<1
Magnesium	ppm	ASTM D5185m		8	6	12
Calcium	ppm	ASTM D5185m		3278	2649	3605
Phosphorus	ppm	ASTM D5185m		964	1168	982
Zinc	ppm	ASTM D5185m		776	1445	888
Sulfur	ppm	ASTM D5185m		6774	3648	6102
Acid Number (AN)	mg KOH/g	ASTM D8045		0.62	1.71	0.66
Visc @ 40°C	cSt	ASTM D445		207	98.37	221



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0014192 **Received** : 18 Apr 2024
Lab Number : 06153080 **Tested** : 22 Apr 2024
Unique Number : 10983158 **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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