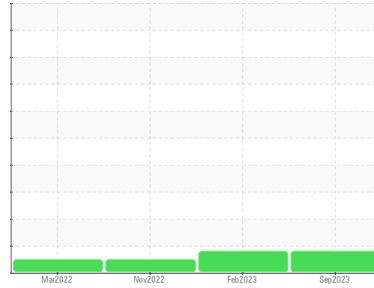




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KL0012843	KL0011338	KL0011265
Sample Date	Client Info		20 Sep 2023	17 Feb 2023	22 Nov 2022
Machine Age	hrs	Client Info	11473	11463	10500
Oil Age	hrs	Client Info	973	963	1939
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>200	3	2	11
Chromium	ppm	ASTM D5185m	>5	0	0	<1
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	0	2
Lead	ppm	ASTM D5185m	>45	<1	1	4
Copper	ppm	ASTM D5185m	>225	13	10	36
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		9	0	32
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	2	8
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		21	16	61
Calcium	ppm	ASTM D5185m		3391	3196	3152
Phosphorus	ppm	ASTM D5185m		980	868	832
Zinc	ppm	ASTM D5185m		819	721	746
Sulfur	ppm	ASTM D5185m		5569	6047	6448

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>125	7	5	8
Sodium	ppm	ASTM D5185m		2	0	4
Potassium	ppm	ASTM D5185m	>20	0	0	0

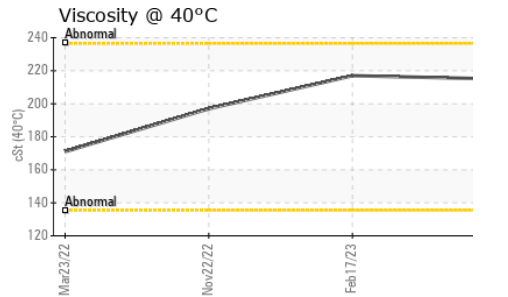
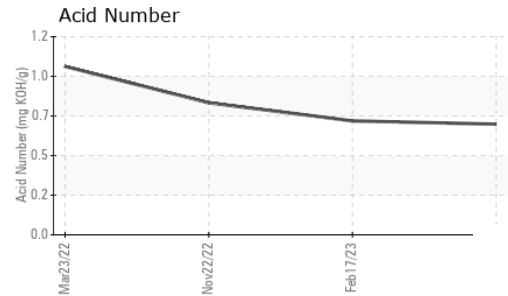
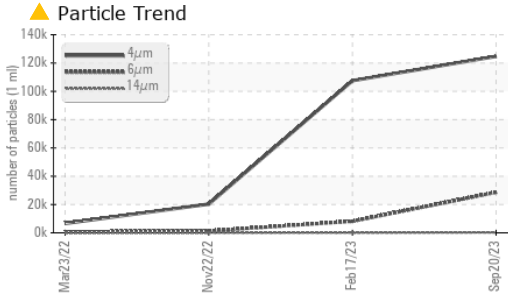
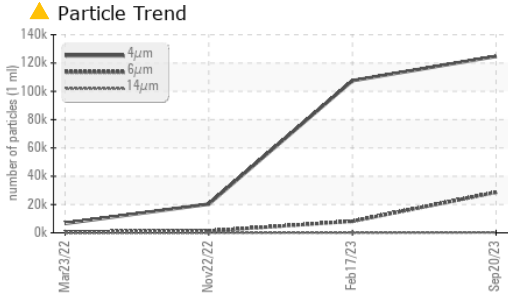
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		124719	107496	20314
Particles >6µm	ASTM D7647	>2500	28664	8171	1343
Particles >14µm	ASTM D7647	>320	268	67	17
Particles >21µm	ASTM D7647	>80	40	11	2
Particles >38µm	ASTM D7647	>20	2	0	0
Particles >71µm	ASTM D7647	>4	1	0	0
Oil Cleanliness	ISO 4406 (c)	>18/15	22/15	20/13	18/11

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.67	0.69	0.80

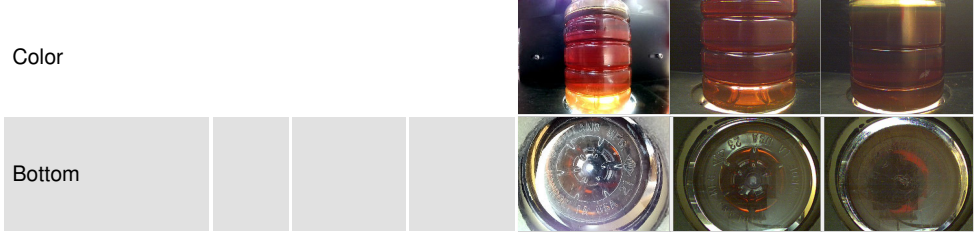
OIL ANALYSIS REPORT



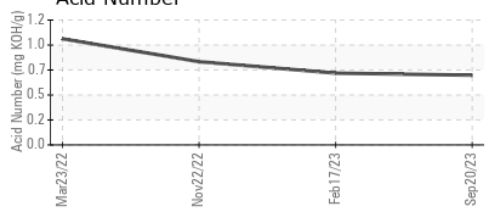
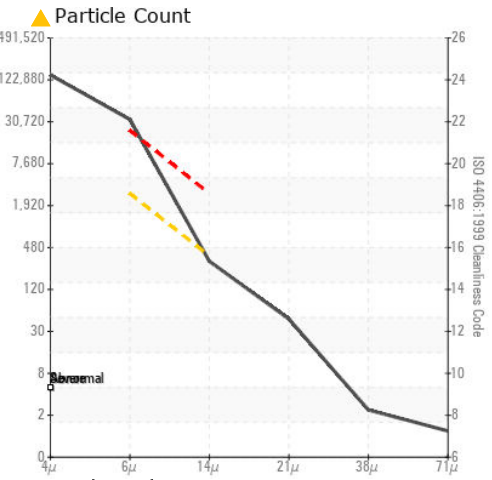
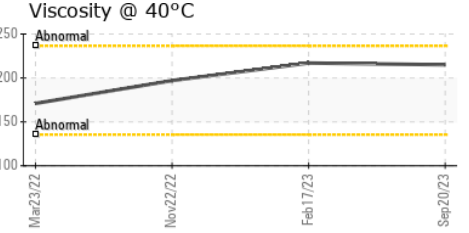
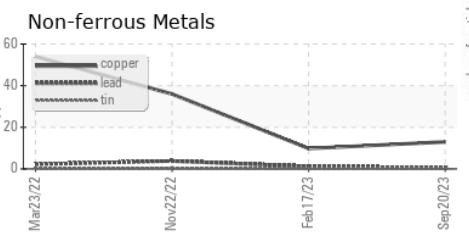
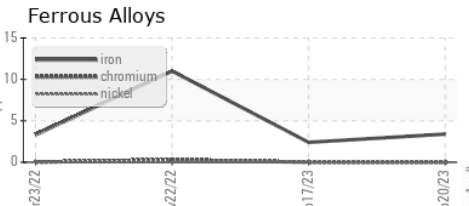
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	215	217	197

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0012843 **Received** : 29 Sep 2023
Lab Number : 05964566 **Diagnosed** : 02 Oct 2023
Unique Number : 10671117 **Diagnostician** : Don Baldrige
Test Package : MOB 2 (Additional Tests: PrtCount)

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)

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