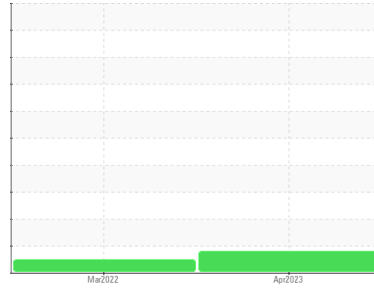




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
GUAY SON [CONHER]
 Machine Id
IBACO NANDO
 Component
Transmission (Manual)
 Fluid
Transmission (Manual) Oil (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	history 1	history 2
Sample Number	Client Info	KL0012327	KL0009174	---
Sample Date	Client Info	06 Apr 2023	23 Mar 2022	---
Machine Age	hrs	10879	1018	---
Oil Age	hrs	1160	447	---
Oil Changed	Client Info	Not Chngd	N/A	---
Sample Status		ABNORMAL	NORMAL	---

WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m >200	58	5	---
Chromium	ppm	ASTM D5185m >5	0	0	---
Nickel	ppm	ASTM D5185m >5	0	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m >7	0	0	---
Aluminum	ppm	ASTM D5185m >25	<1	<1	---
Lead	ppm	ASTM D5185m >45	23	2	---
Copper	ppm	ASTM D5185m >225	73	89	---
Tin	ppm	ASTM D5185m >10	<1	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m	17	24	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	<1	7	---
Manganese	ppm	ASTM D5185m	2	<1	---
Magnesium	ppm	ASTM D5185m	13	33	---
Calcium	ppm	ASTM D5185m	3949	3506	---
Phosphorus	ppm	ASTM D5185m	967	993	---
Zinc	ppm	ASTM D5185m	865	861	---
Sulfur	ppm	ASTM D5185m	5926	4122	---

CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m >125	37	6	---
Sodium	ppm	ASTM D5185m	10	6	---
Potassium	ppm	ASTM D5185m >20	0	0	---

FLUID CLEANLINESS

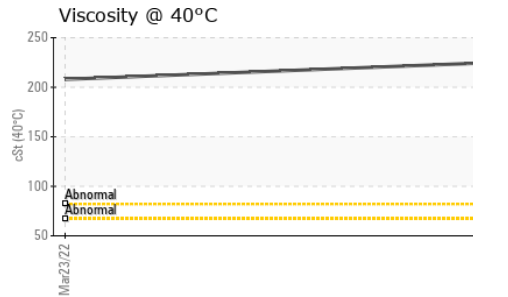
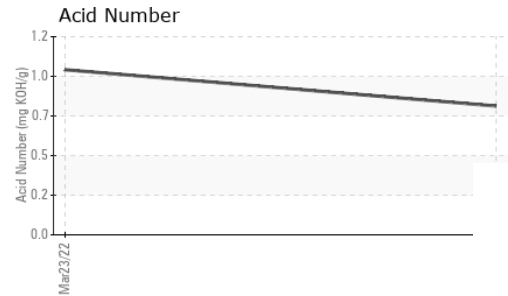
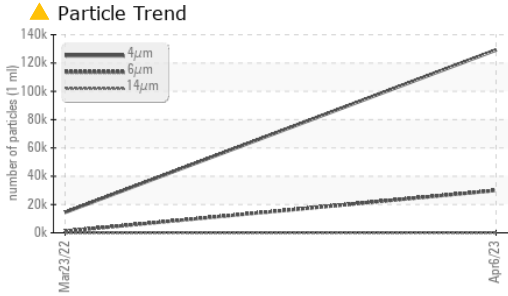
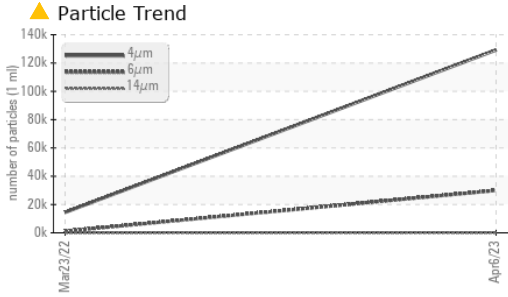
method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	129244	14471	---
Particles >6µm	ASTM D7647 >2500	29970	1151	---
Particles >14µm	ASTM D7647 >320	52	24	---
Particles >21µm	ASTM D7647 >80	5	4	---
Particles >38µm	ASTM D7647 >20	1	1	---
Particles >71µm	ASTM D7647 >4	1	0	---
Oil Cleanliness	ISO 4406 (c) >18/15	22/13	17/12	---

FLUID DEGRADATION

method	limit/base	current	history 1	history 2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.78	1.00	---



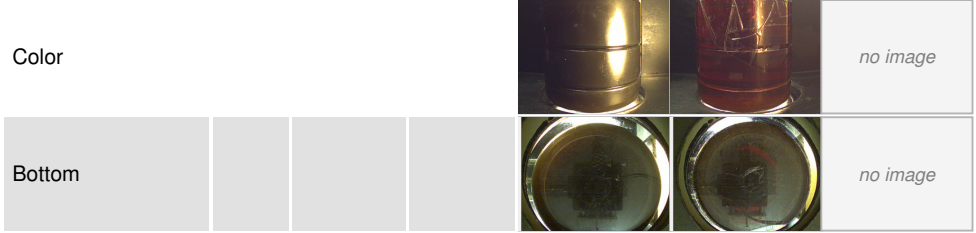
OIL ANALYSIS REPORT



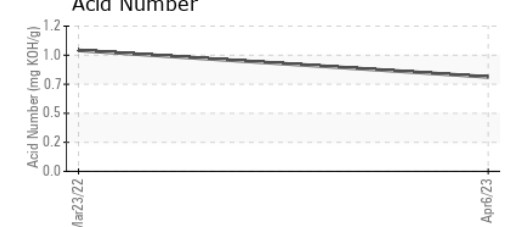
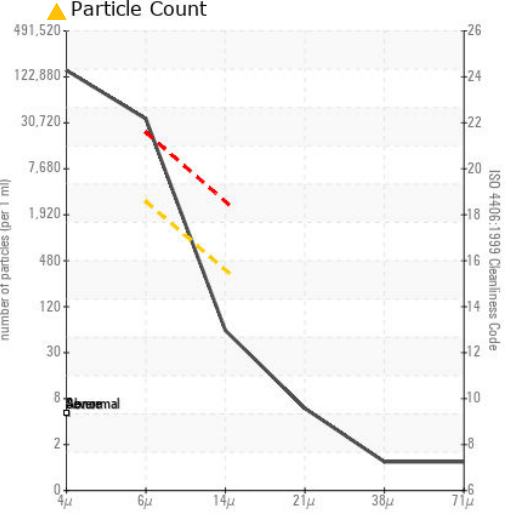
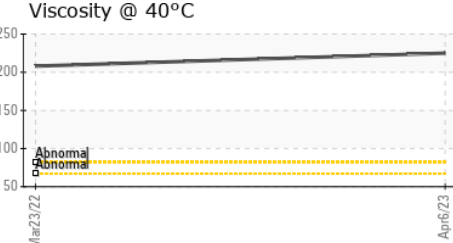
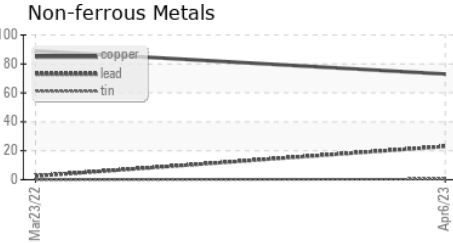
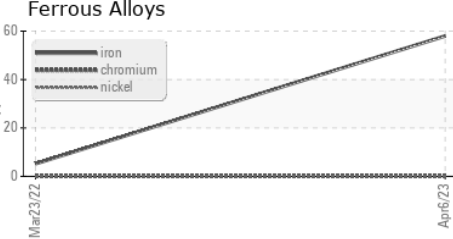
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	225	208	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : KL0012327 Received : 14 Apr 2023
 Lab Number : 05820875 Diagnosed : 18 Apr 2023
 Unique Number : 10428958 Diagnostician : Don Baldrige
 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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 F: x: