



PERFORMANCE
UNDER
PRESSURE

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
UTL
Machine Id
UTL - PRI CLAR LEFT WORM GEAR (S/N 79031933)
Component
Gearbox
Fluid
SHELL OMALA 680 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

WEAR

Gear wear is indicated.

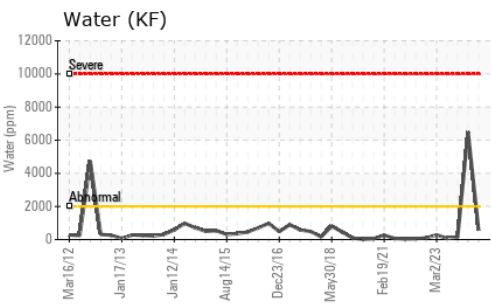
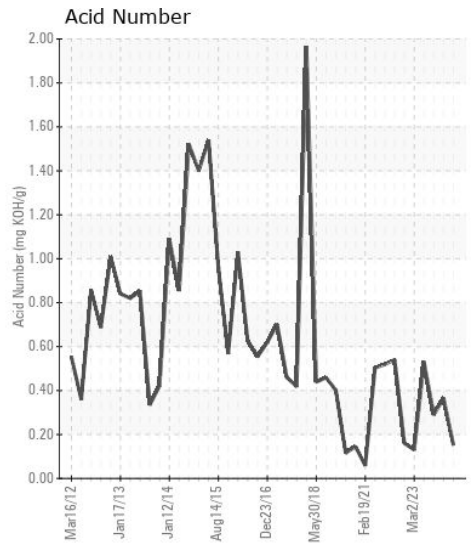
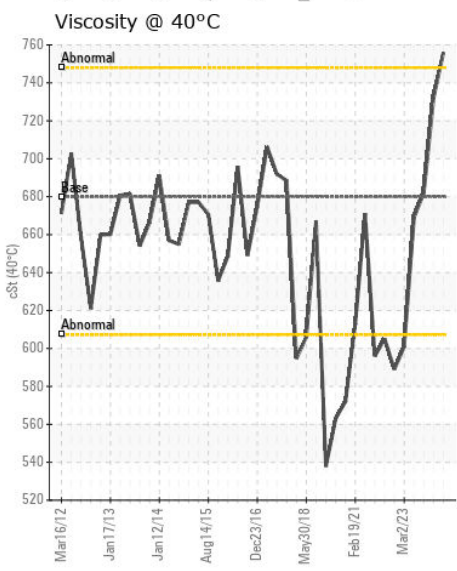
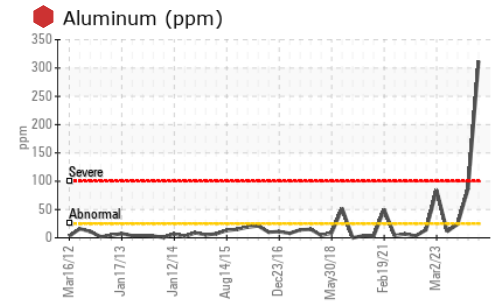
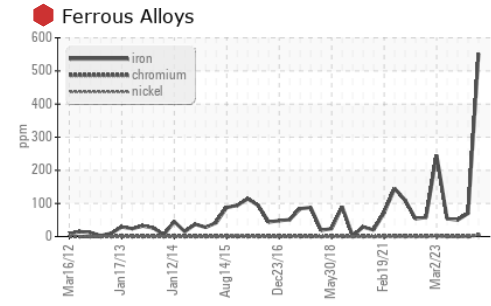
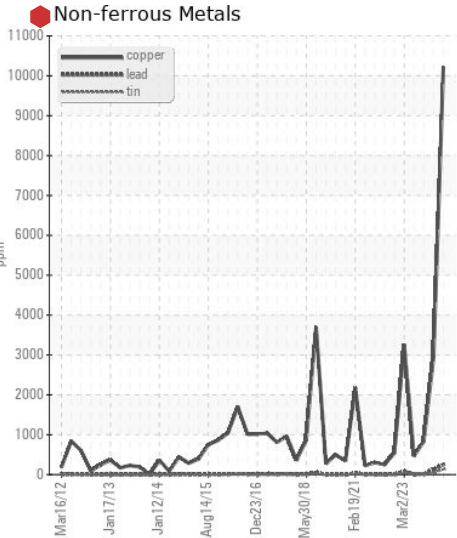
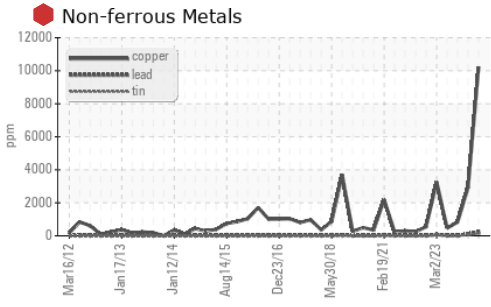
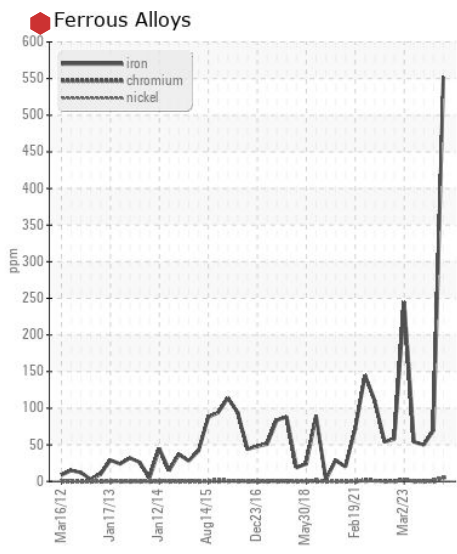
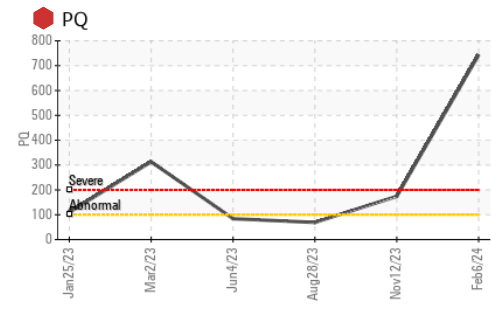
CONTAMINATION

There is a moderate amount of visible silt present in the sample.

FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP0030405	RP0034381	RP0023535
Sample Date		Client Info		06 Feb 2024	12 Nov 2023	28 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
PQ		ASTM D8184		743	174	69
Iron	ppm	ASTM D5185m	>200	552	70	50
Chromium	ppm	ASTM D5185m	>15	5	<1	<1
Nickel	ppm	ASTM D5185m	>15	6	2	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	312	87	24
Lead	ppm	ASTM D5185m	>100	251	127	12
Copper	ppm	ASTM D5185m	>200	10223	2950	835
Tin	ppm	ASTM D5185m	>25	133	39	10
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	16	9	8
Potassium	ppm	ASTM D5185m	>20	0	1	0
Water	%	ASTM D6304	>0.2	0.056	0.649	0.015
ppm Water	ppm	ASTM D6304	>2000	562	6490	152.1
Silt	scalar	*Visual	NONE	MODER	NONE	MODER
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	>0.2	NEG	0.2%	NEG
Sodium	ppm	ASTM D5185m		0	0	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		92	29	8
Magnesium	ppm	ASTM D5185m		0	0	2
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m	512	288	164	231
Zinc	ppm	ASTM D5185m	3.8	6266	2015	600
Acid Number (AN)	mg KOH/g	ASTM D8045		0.152	0.366	0.29
Visc @ 40°C	cSt	ASTM D445	680	756	732	682



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0030405
Lab Number : 06082561
Unique Number : 10870006
Test Package : IND 2 (Additional Tests: PQ, PrtCount)

Kimberly-Clark - Mobile - UTL
 200 BAYBRIDGE RD
 MOBILE, AL
 US 36610

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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