



PERFORMANCE  
UNDER  
PRESSURE

OIL ANALYSIS REPORT

WEAR	<b>SEVERE</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**UTL**  
Machine Id  
**UTL - PRI CLAR RIGHT 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.

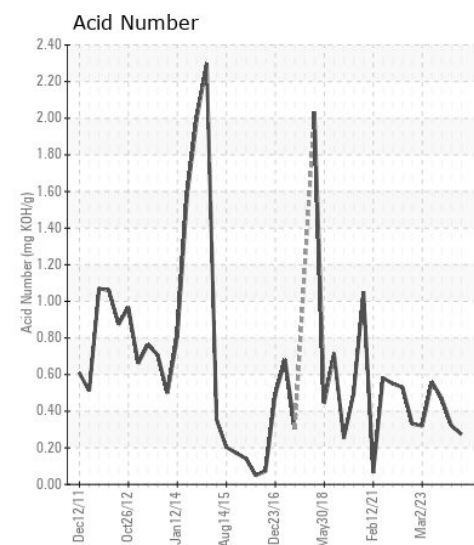
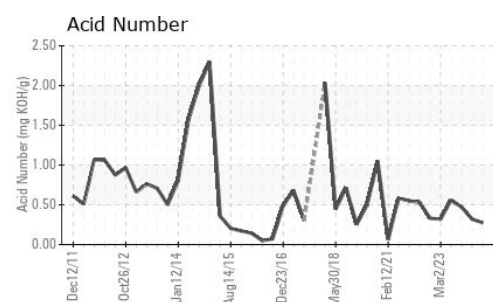
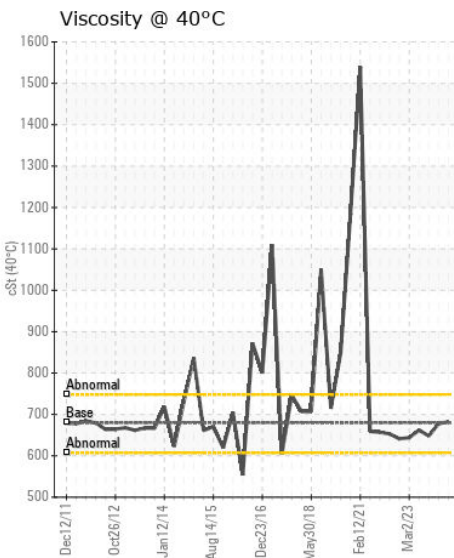
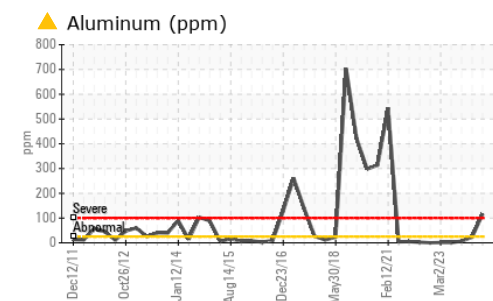
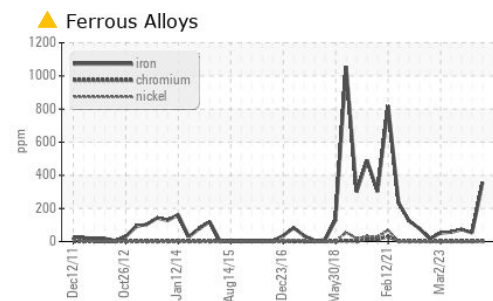
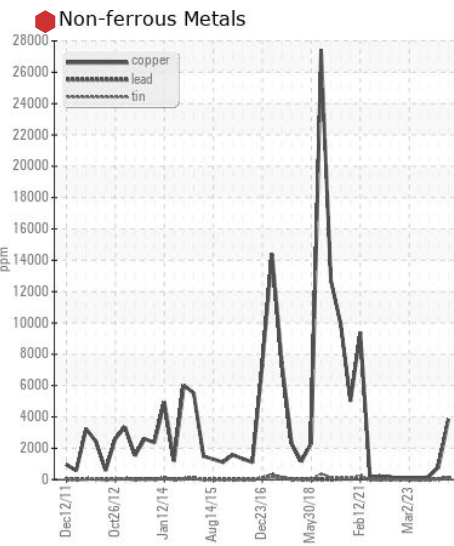
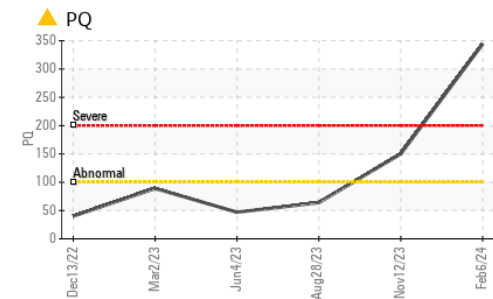
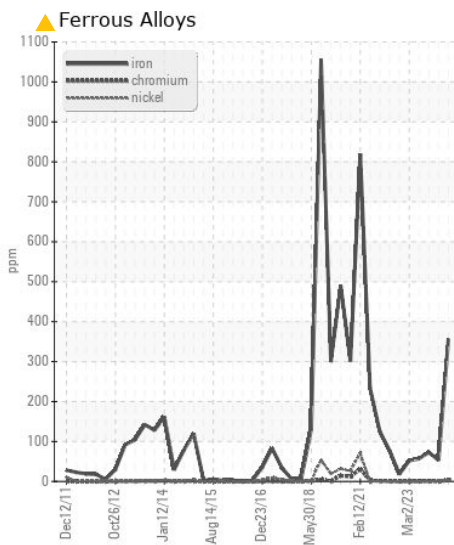
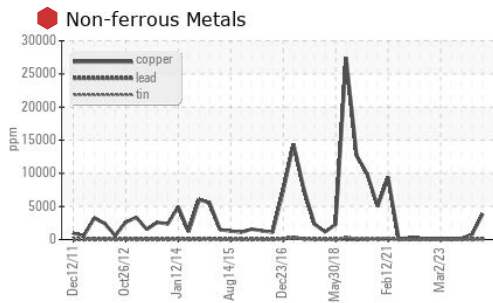
**CONTAMINATION**

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		<b>RP0030406</b>	RP0034380	RP0023532
Sample Date		Client Info		<b>06 Feb 2024</b>	12 Nov 2023	28 Aug 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	ABNORMAL	ABNORMAL
PQ		ASTM D8184		<b>▲ 344</b>	▲ 150	64
Iron	ppm	ASTM D5185m	>200	<b>▲ 356</b>	53	73
Chromium	ppm	ASTM D5185m	>15	<b>3</b>	<1	<1
Nickel	ppm	ASTM D5185m	>15	<b>2</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>▲ 116</b>	▲ 23	7
Lead	ppm	ASTM D5185m	>100	<b>▲ 95</b>	37	<1
Copper	ppm	ASTM D5185m	>200	<b>● 3858</b>	▲ 797	170
Tin	ppm	ASTM D5185m	>25	<b>▲ 43</b>	9	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	<b>19</b>	16	17
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	0
Water	%	ASTM D6304	>0.2	<b>0.036</b>	▲ 0.312	0.152
ppm Water	ppm	ASTM D6304	>2000	<b>369</b>	▲ 3120	1520
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	0.2%	0.2%
Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>53</b>	14	3
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	1
Calcium	ppm	ASTM D5185m		<b>0</b>	0	<1
Phosphorus	ppm	ASTM D5185m	512	<b>205</b>	129	237
Zinc	ppm	ASTM D5185m	3.8	<b>2306</b>	604	159
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.274</b>	0.32	0.47
Visc @ 40°C	cSt	ASTM D445	680	<b>682</b>	678	648



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0030406 **Received** : 07 Feb 2024  
**Lab Number** : 06082562 **Tested** : 08 Feb 2024  
**Unique Number** : 10870007 **Diagnosed** : 08 Feb 2024 - Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: PQ, PrtCount )

**Kimberly-Clark - Mobile - UTL**  
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 T: (251)330-2250  
 F: (251)452-6335

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)