



**PERFORMANCE
UNDER
PRESSURE**

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
TM 5
Machine Id
TM 5 TAD ROLL DRIVE
Component
Gearbox
Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP0038090	RP0038112	---
Sample Date		Client Info		25 Jun 2024	29 Jan 2024	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	SEVERE	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		16	15	---
Iron	ppm	ASTM D5185m	>200	0	21	---
Chromium	ppm	ASTM D5185m	>15	0	5	---
Nickel	ppm	ASTM D5185m	>15	0	4	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	0	2	---
Lead	ppm	ASTM D5185m	>100	0	<1	---
Copper	ppm	ASTM D5185m	>200	39	21	---
Tin	ppm	ASTM D5185m	>25	0	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

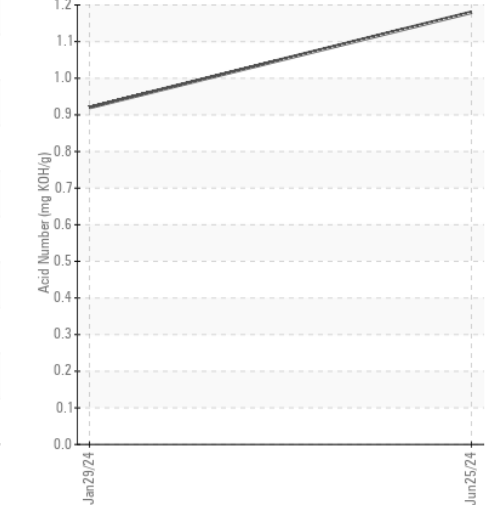
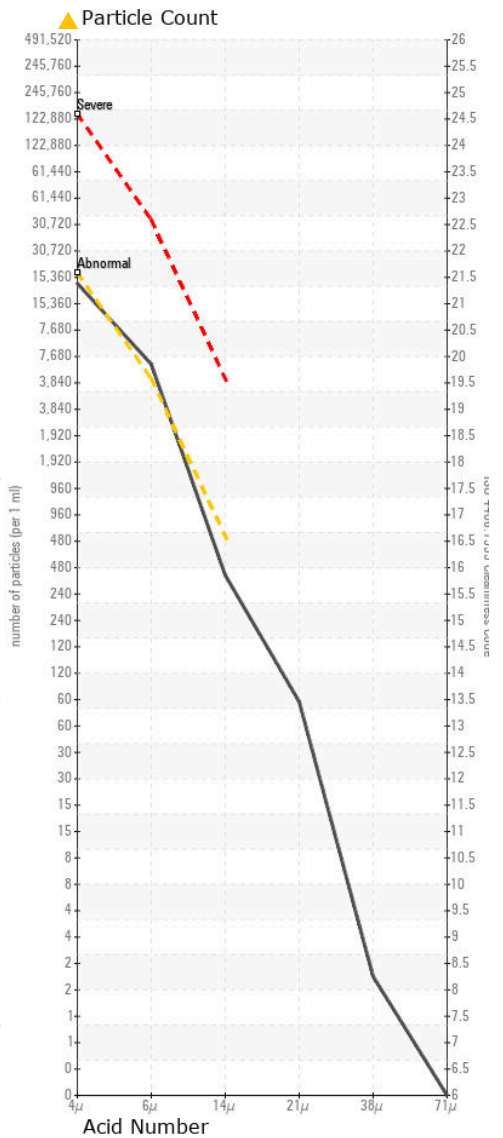
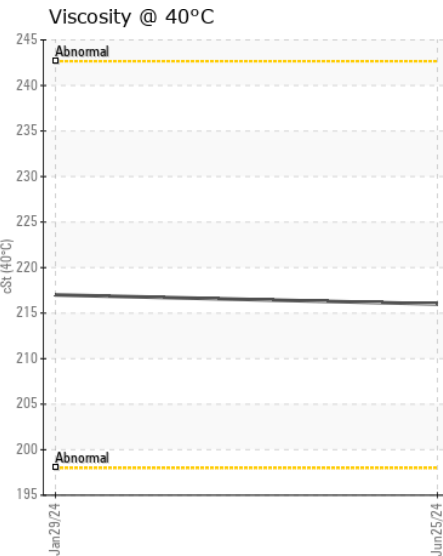
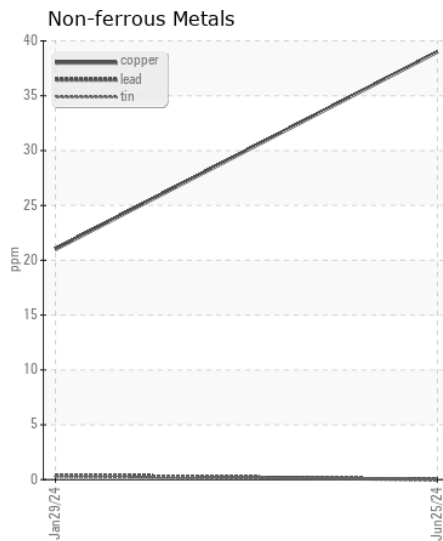
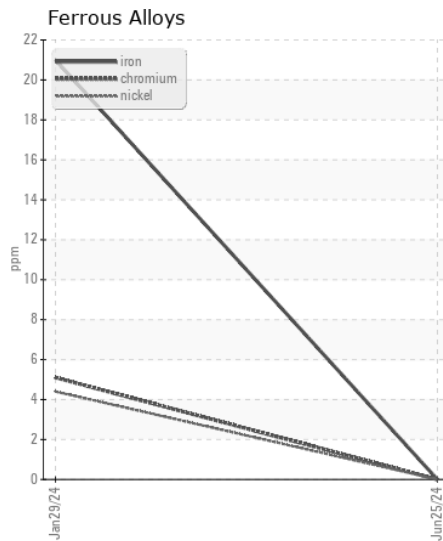
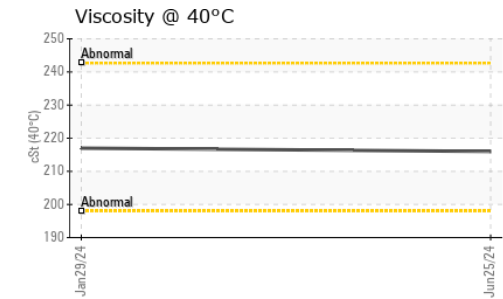
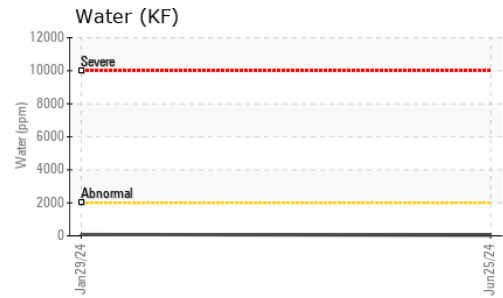
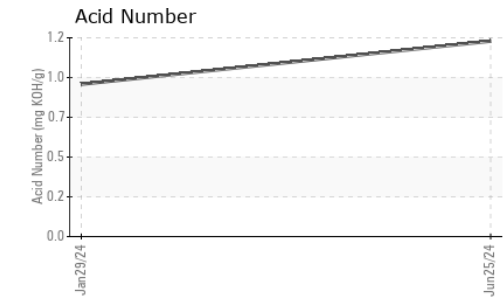
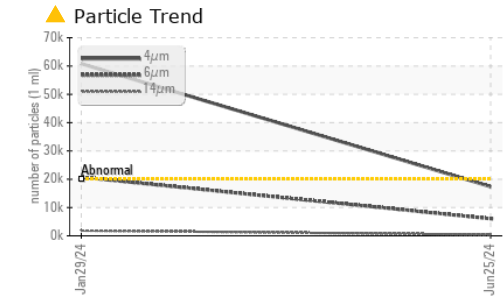
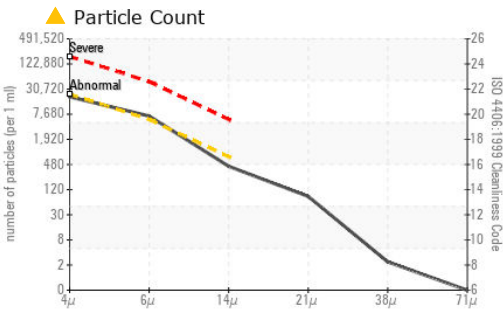
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>50	3	3	---
Potassium	ppm	ASTM D5185m	>20	1	2	---
Water	%	ASTM D6304	>0.2	0.003	0.007	---
ppm Water	ppm	ASTM D6304	>2000	40	78	---
Particles >4µm		ASTM D7647	>20000	17383	▲ 60834	---
Particles >6µm		ASTM D7647	>5000	▲ 6045	▲ 20727	---
Particles >14µm		ASTM D7647	>640	382	▲ 1856	---
Particles >21µm		ASTM D7647	>160	73	▲ 481	---
Particles >38µm		ASTM D7647	>40	2	18	---
Particles >71µm		ASTM D7647	>10	0	1	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 21/20/16	▲ 23/22/18	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<1	0	---
Boron	ppm	ASTM D5185m		<1	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	1	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		<1	3	---
Calcium	ppm	ASTM D5185m		117	168	---
Phosphorus	ppm	ASTM D5185m		1001	1176	---
Zinc	ppm	ASTM D5185m		1242	1717	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.18	0.92	---
Visc @ 40°C	cSt	ASTM D445		216	217	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0038090
Lab Number : 06221172
Unique Number : 11099369
Test Package : IND 2 (Additional Tests: PQ, PrtCount)

Kimberly-Clark - Mobile - TM 5
 200 BAYBRIDGE RD
 MOBILE, AL
 US 36610
 Contact: WAYNE PERRY
 wayne.perry@kcc.com
 T: (251)330-2386
 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)