



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**TR-3**  
Component  
**Hydraulic System**  
Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

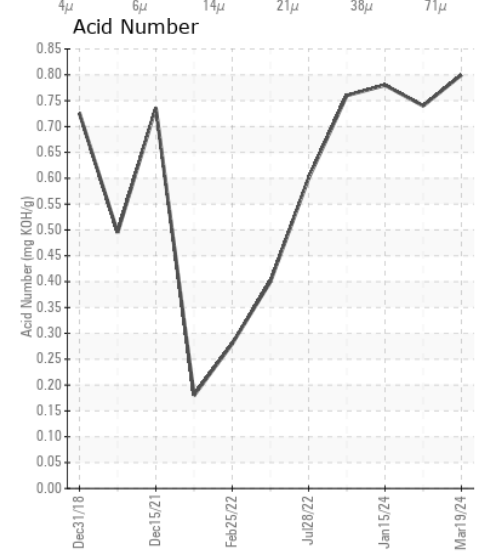
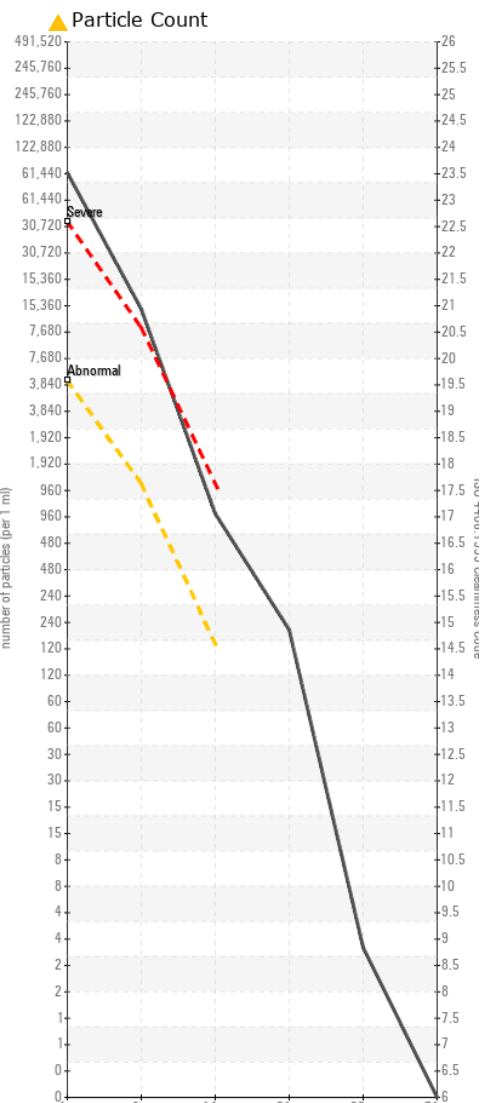
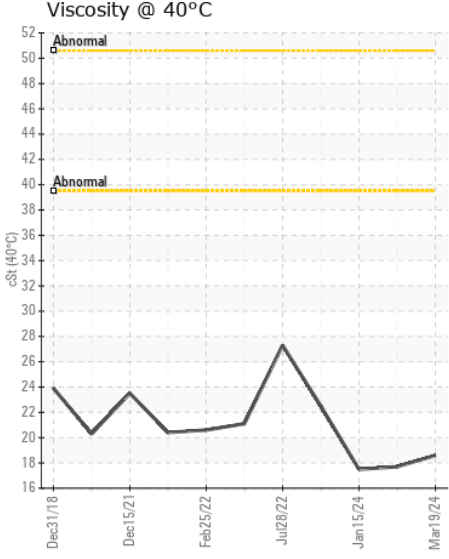
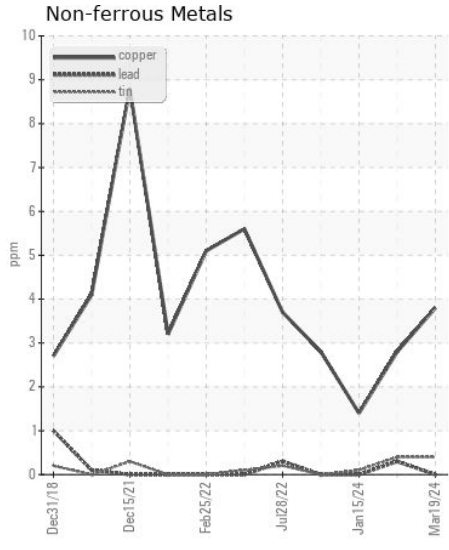
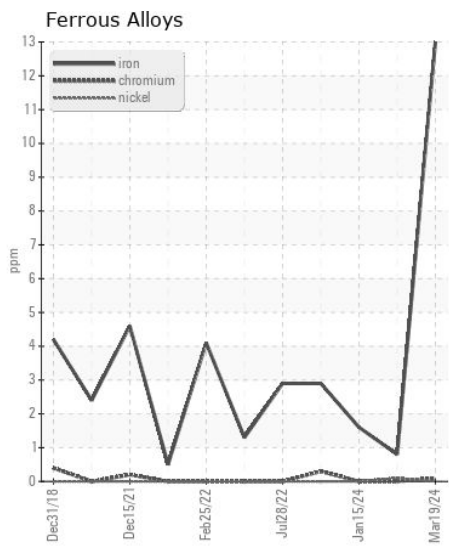
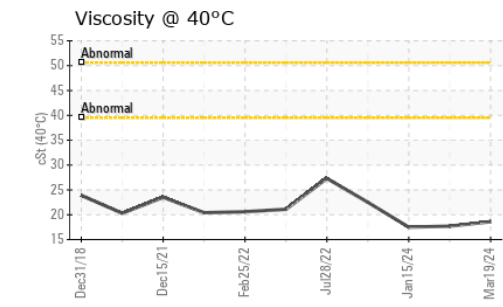
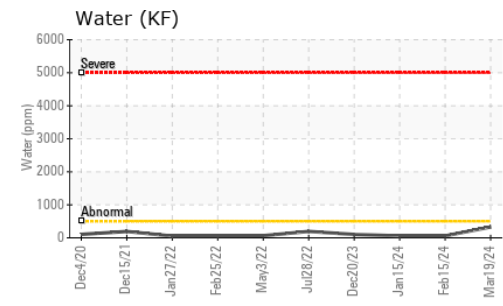
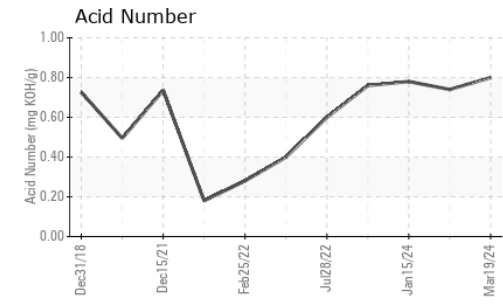
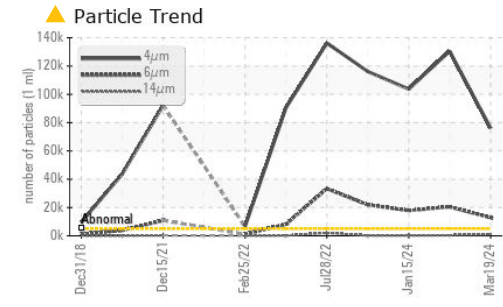
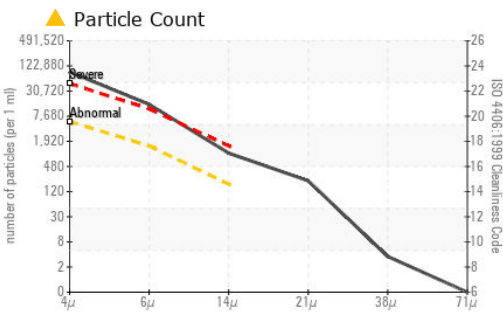
## CONTAMINATION

There is a high amount of particulates present in the oil.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC06124929	WC06093614	WC06062684
Sample Date		Client Info		19 Mar 2024	15 Feb 2024	15 Jan 2024
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				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>20	13	<1	2
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		4	13	7
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	1
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	4	3	1
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	2	1
Water	%	ASTM D6304	>0.05	0.032	0.005	0.005
ppm Water	ppm	ASTM D6304	>500	329	59	59
Particles >4µm		ASTM D7647	>5000	▲ 76115	▲ 130452	▲ 103710
Particles >6µm		ASTM D7647	>1300	▲ 12787	▲ 20481	▲ 17815
Particles >14µm		ASTM D7647	>160	▲ 879	▲ 362	▲ 223
Particles >21µm		ASTM D7647	>40	▲ 192	▲ 73	▲ 53
Particles >38µm		ASTM D7647	>10	3	3	3
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 23/21/17	▲ 24/22/16	▲ 24/21/15
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	>0.05	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	3	1
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		2	6	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		0	1	<1
Calcium	ppm	ASTM D5185m		11	15	9
Phosphorus	ppm	ASTM D5185m		250	260	334
Zinc	ppm	ASTM D5185m		0	2	0
Sulfur	ppm	ASTM D5185m		4341	3512	4352
Acid Number (AN)	mg KOH/g	ASTM D8045		0.80	0.74	0.78
Visc @ 40°C	cSt	ASTM D445		18.6	17.7	17.5



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC06124929 **Received** : 21 Mar 2024  
**Lab Number** : 06124929 **Tested** : 22 Mar 2024  
**Unique Number** : 10939080 **Diagnosed** : 24 Mar 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )  
 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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