



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
TRK 4
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

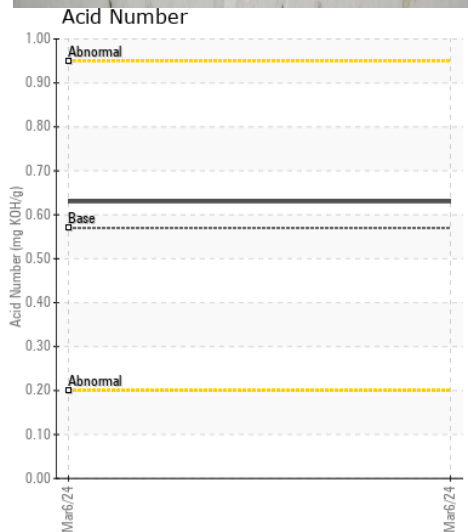
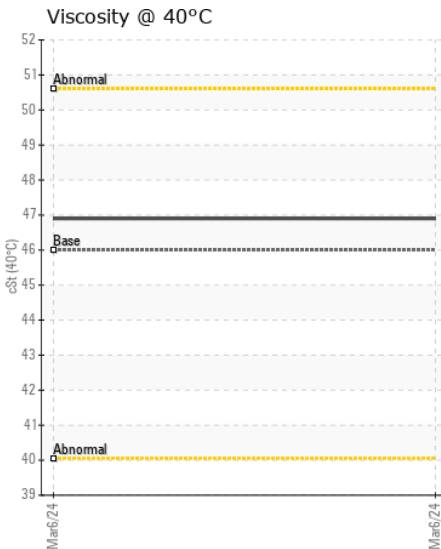
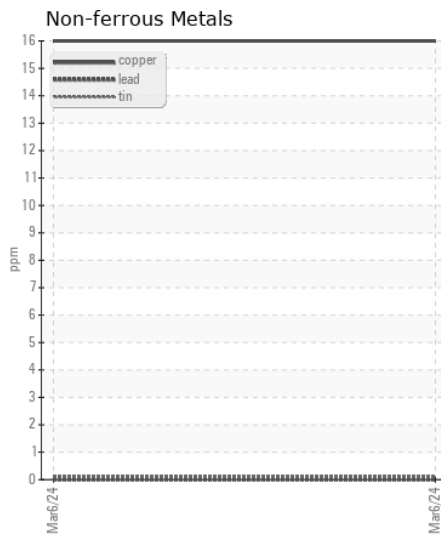
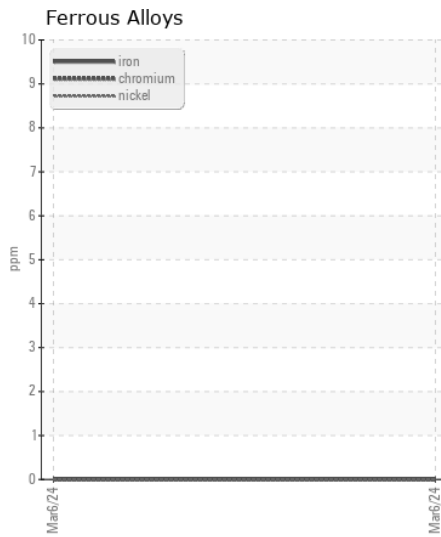
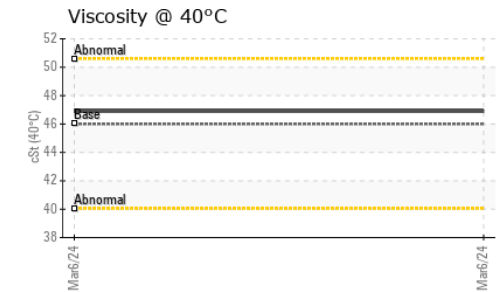
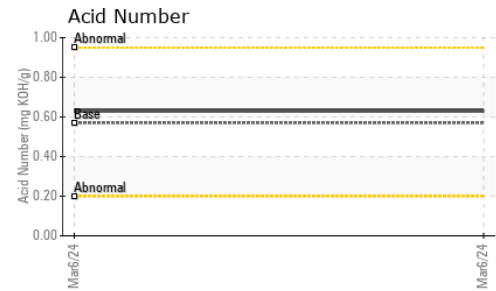
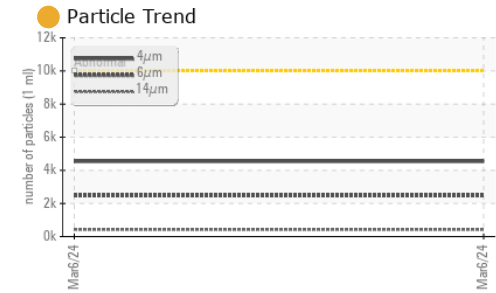
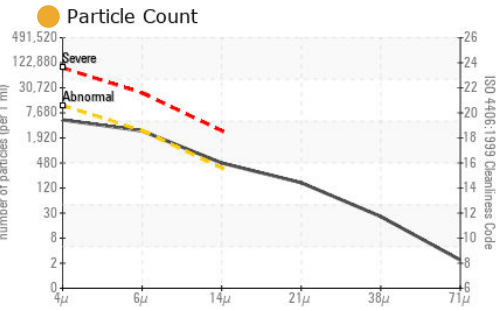
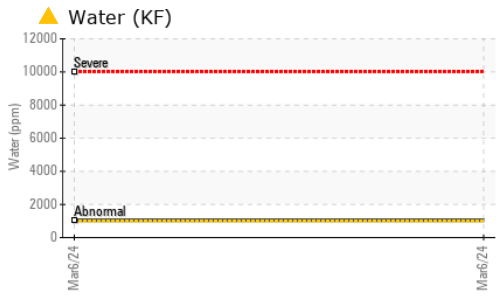
CONTAMINATION

There is a moderate amount of particulates present in the oil. There is a light concentration of water 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		PH0003666	---	---
Sample Date		Client Info		06 Mar 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>20	0	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	0	---	---
Lead	ppm	ASTM D5185m	>10	0	---	---
Copper	ppm	ASTM D5185m	>75	16	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>20	4	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>0.1	▲ 0.104	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 1040	---	---
Particles >4µm		ASTM D7647	>10000	4541	---	---
Particles >6µm		ASTM D7647	>2500	2474	---	---
Particles >14µm		ASTM D7647	>320	● 421	---	---
Particles >21µm		ASTM D7647	>80	● 142	---	---
Particles >38µm		ASTM D7647	>20	● 22	---	---
Particles >71µm		ASTM D7647	>4	2	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	● 19/18/16	---	---
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	0.2%	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m	5	0	---	---
Barium	ppm	ASTM D5185m	5	0	---	---
Molybdenum	ppm	ASTM D5185m	5	0	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m	25	0	---	---
Calcium	ppm	ASTM D5185m	200	70	---	---
Phosphorus	ppm	ASTM D5185m	300	554	---	---
Zinc	ppm	ASTM D5185m	370	770	---	---
Sulfur	ppm	ASTM D5185m	2500	1794	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.63	---	---
Visc @ 40°C	cSt	ASTM D445	46	46.9	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PH0003666 **Received** : 19 Mar 2024
Lab Number : 06123070 **Tested** : 26 Mar 2024
Unique Number : 10937221 **Diagnosed** : 26 Mar 2024 - Jonathan Hester
Test Package : PLANT (Additional Tests: KF, PrtFilter)

CITY OF WICHITA FIRE DEPT
 1801 S MCLEAN BLVD
 WICHITA, KS
 US 67213
 Contact: CHAD ZIMMERMAN

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)

T:
F: