



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
BOTTOM OF TANK
Component
Bottom Hydraulic System
Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196363	---	---
Sample Date		Client Info		02 Feb 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	---	---

WEAR

All component wear rates are normal.

Aluminum	ppm	ASTM D5185m	<0.1	<1	---	---
Nickel	ppm	ASTM D5185m	<0.1	0	---	---
Lead	ppm	ASTM D5185m	<0.1	0	---	---
Vanadium	ppm	ASTM D5185m	<0.1	0	---	---
Iron	ppm	ASTM D5185m	<0.1	6	---	---

CONTAMINATION

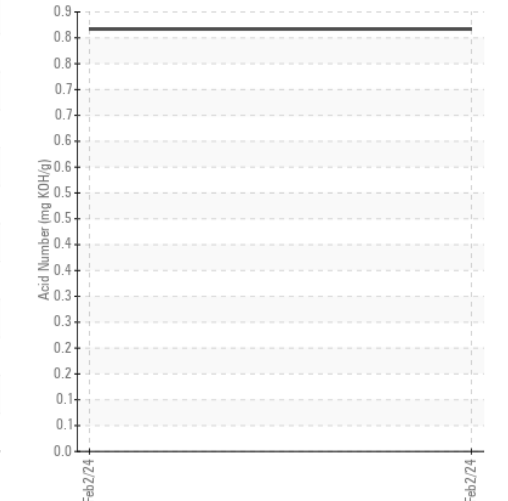
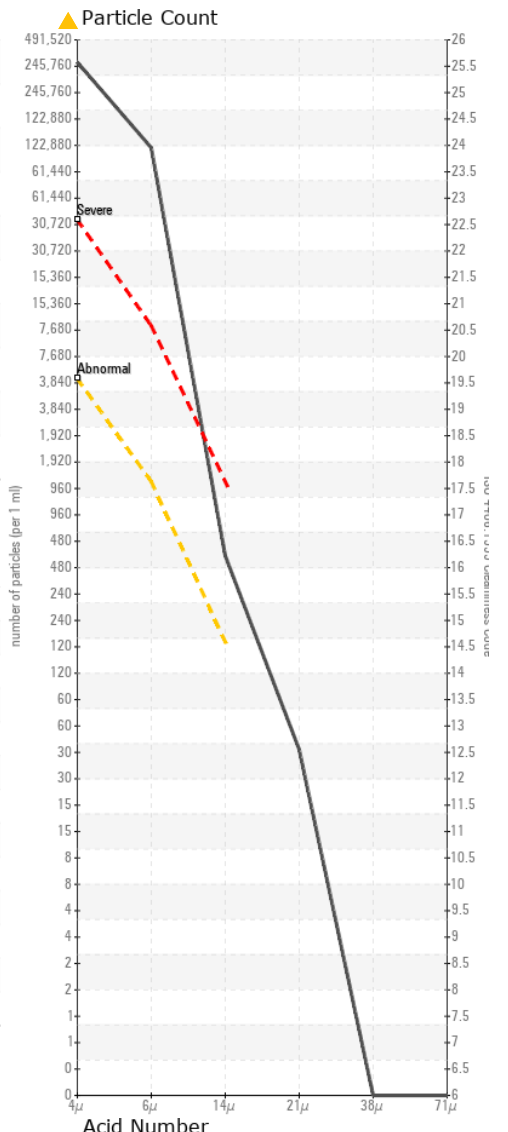
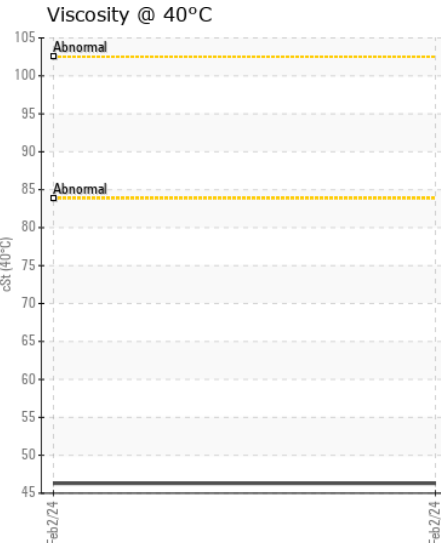
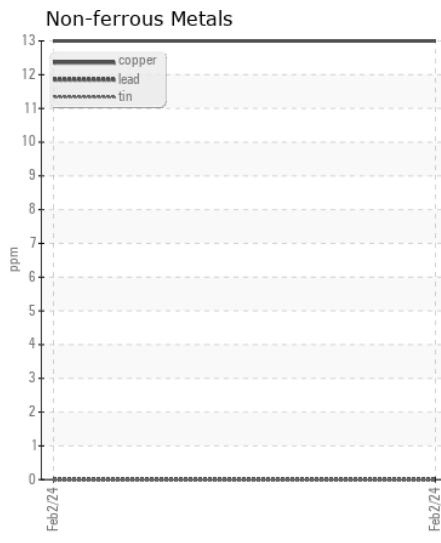
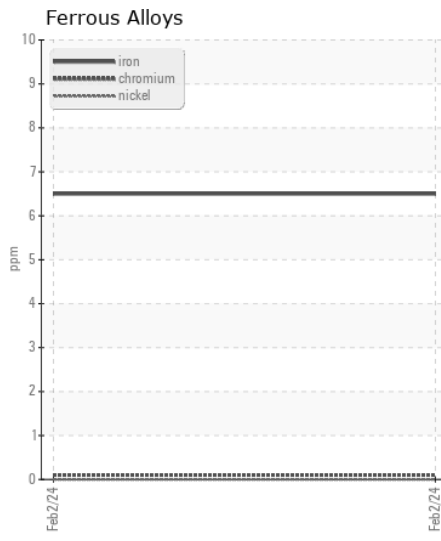
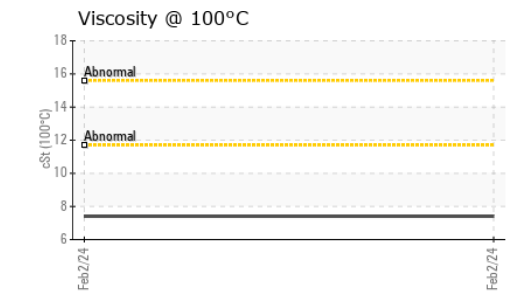
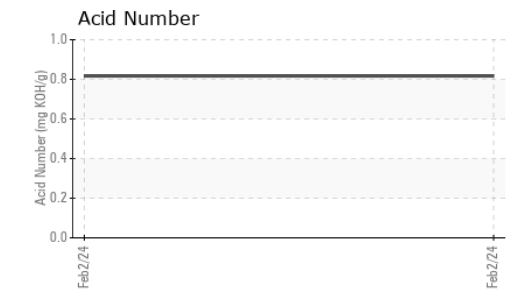
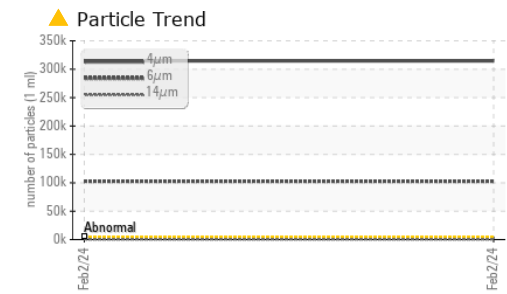
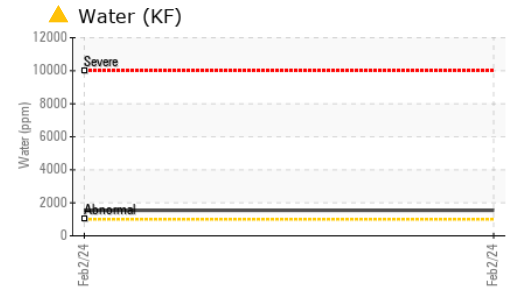
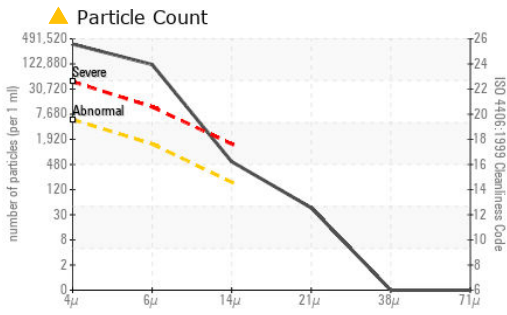
There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	<1.0	2	---	---
Sodium	ppm	ASTM D5185m	<0.1	<1	---	---
Potassium	ppm	ASTM D5185m	<0.1	<1	---	---
Water	%	ASTM D6304	<0.05	▲ 0.154	---	---
ppm Water	ppm	ASTM D6304	<500	▲ 1540	---	---
Particles >4µm		ASTM D7647	>5000	▲ 314565	---	---
Particles >6µm		ASTM D7647	>1300	▲ 102641	---	---
Particles >14µm		ASTM D7647	>160	▲ 493	---	---
Particles >21µm		ASTM D7647	>40	39	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 25/24/16	---	---
Calcium	ppm	ASTM D5185m	<0.1	778	---	---
Magnesium	ppm	ASTM D5185m	<0.1	13	---	---
Phosphorus	ppm	ASTM D5185m	<0.1	419	---	---
Zinc	ppm	ASTM D5185m	<0.1	471	---	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Visc @ 40°C	cSt	ASTM D445		46.3	---	---
Sulfur	ppm	ASTM D5185m		1577	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196363 **Received** : 12 Feb 2024
Lab Number : 06086797 **Tested** : 16 Feb 2024
Unique Number : 10874242 **Diagnosed** : 16 Feb 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: Bacteria, ICP, KF, KV100, KV40, PQ, PrtCount, SCREEN, ~~Oil~~)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819
 WILMINGTON SHOP
 T: (910)675-9211
 F:

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)