OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HITACHI ZW370-6 15586 (S/N 6108)
Component
Front Differential
Fluid
TDTO FLUID SAE 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

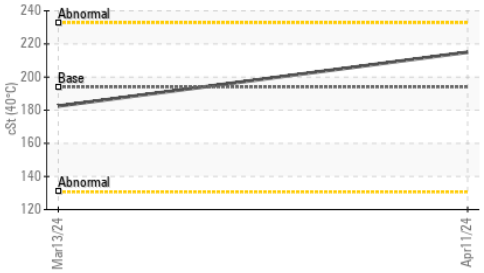
There is no indication of any contamination in the oil.

FLUID CONDITION

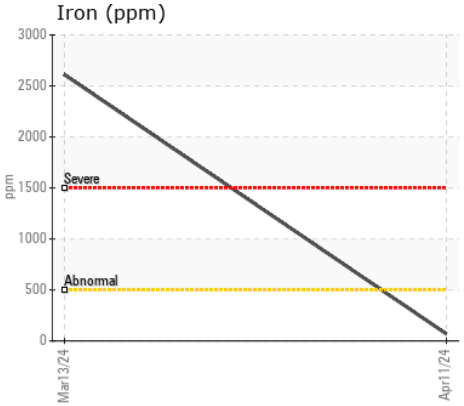
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0017952	LH0244717	---
Sample Date		Client Info		11 Apr 2024	13 Mar 2024	---
Machine Age	hrs	Client Info		1363	1271	---
Oil Age	hrs	Client Info		0	1271	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	SEVERE	---
Iron	ppm	ASTM D5185m	>500	69	▲ 2610	---
Chromium	ppm	ASTM D5185m	>10	<1	▲ 16	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	7	---
Lead	ppm	ASTM D5185m	>25	0	2	---
Copper	ppm	ASTM D5185m	>100	9	▲ 137	---
Tin	ppm	ASTM D5185m	>10	<1	8	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	38	▲ 118	---
Potassium	ppm	ASTM D5185m	>20	3	<1	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		<1	8	---
Boron	ppm	ASTM D5185m	37	147	114	---
Barium	ppm	ASTM D5185m	7	0	<1	---
Molybdenum	ppm	ASTM D5185m	5	1	3	---
Manganese	ppm	ASTM D5185m		0	30	---
Magnesium	ppm	ASTM D5185m	40	32	17	---
Calcium	ppm	ASTM D5185m	2650	7166	3610	---
Phosphorus	ppm	ASTM D5185m	1050	2528	1227	---
Zinc	ppm	ASTM D5185m	1075	2935	1976	---
Sulfur	ppm	ASTM D5185m	5750	11501	14542	---
Visc @ 40°C	cSt	ASTM D445	194	215	182.5	---

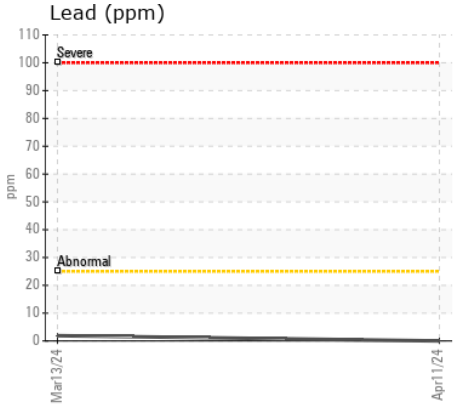
Viscosity @ 40°C



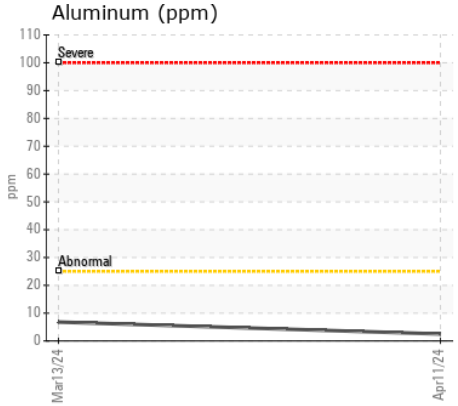
Iron (ppm)



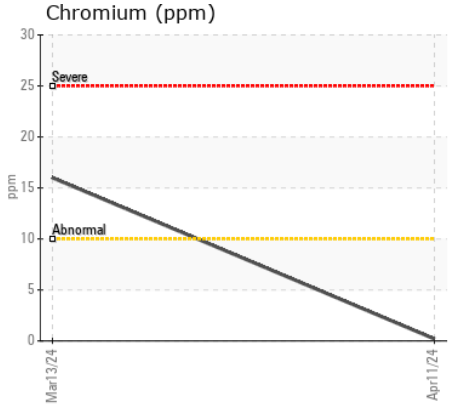
Lead (ppm)



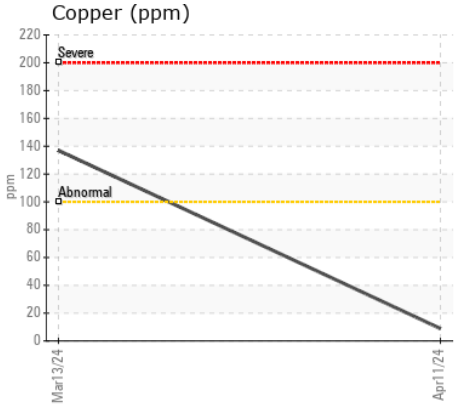
Aluminum (ppm)



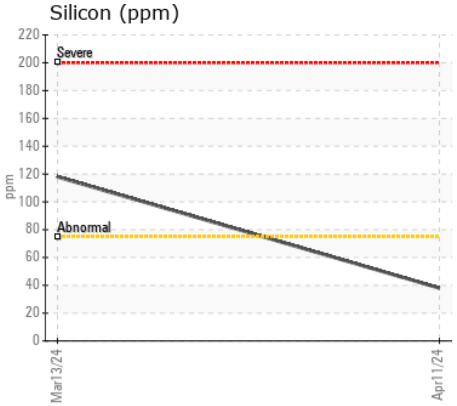
Chromium (ppm)



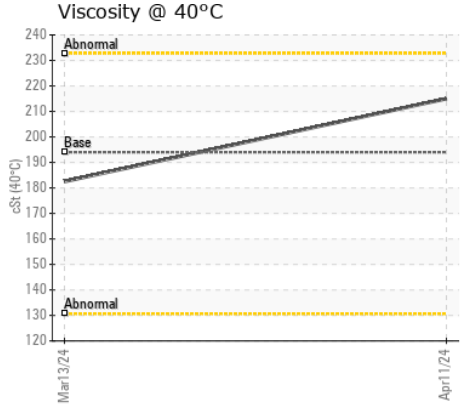
Copper (ppm)



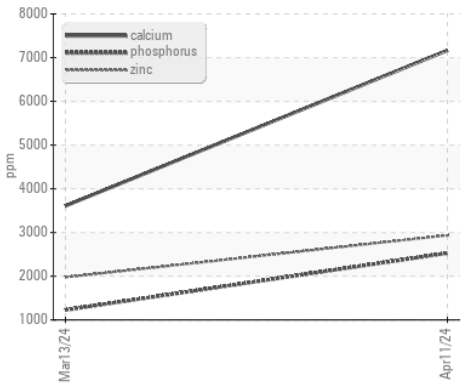
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0017952
Lab Number : 06151373
Unique Number : 10981451
Test Package : MOBCE

Received : 16 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 19 Apr 2024 - Sean Felton

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)

RECO EQUIPMENT INC
8075 PRODUCTION DRIVE
FLORENCE, KY
US 41042
Contact: ALLEN BRAY
abray@recoequip.com
T:
F: (859)727-7974