



PERFORMANCE
UNDER
PRESSURE

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

CTL74

Machine Id

CTL 74 SCREW DOWN O/S MAIN

Component

Gearbox

Fluid

GEAR OIL ISO 220 (--- QTS)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor.

WEAR

Bearing and/or gear wear is indicated.

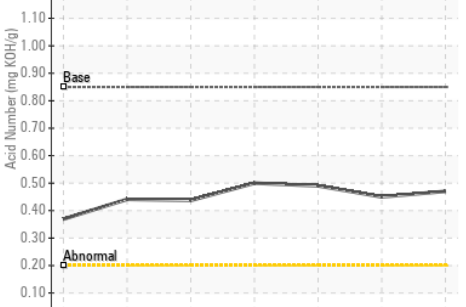
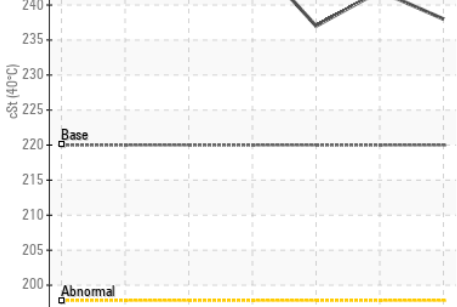
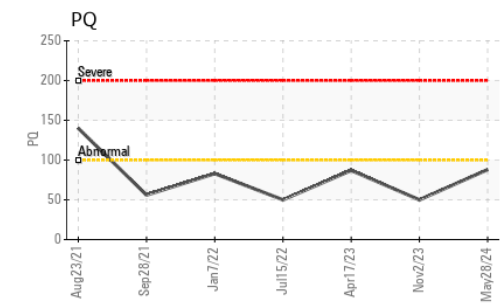
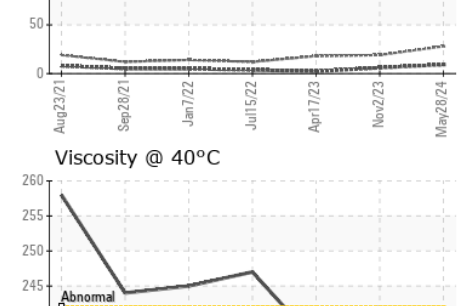
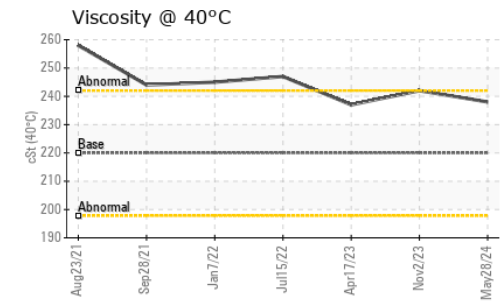
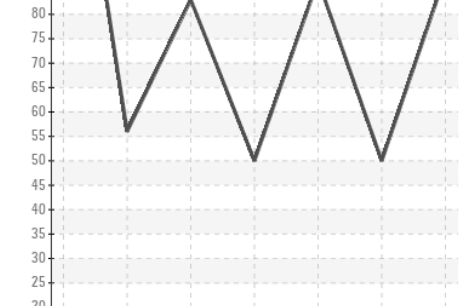
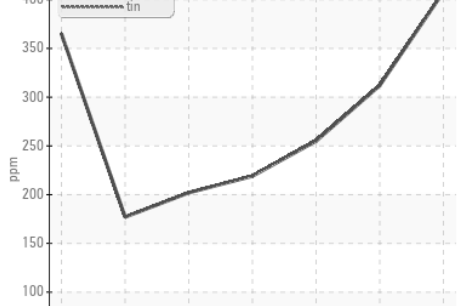
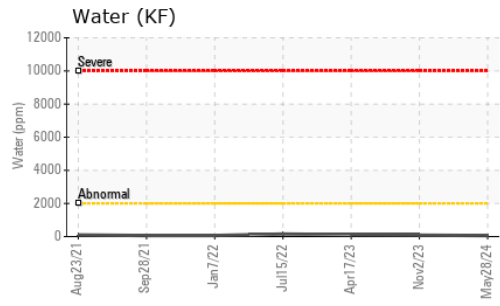
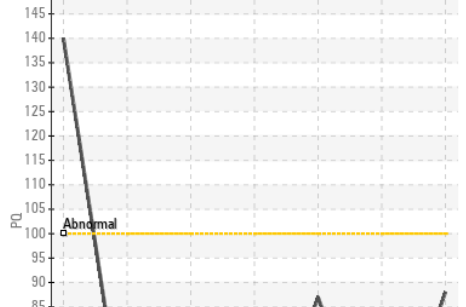
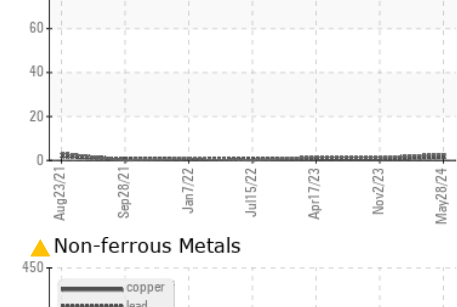
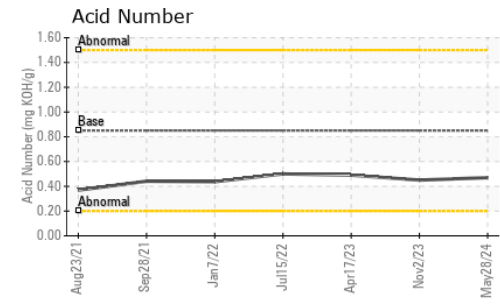
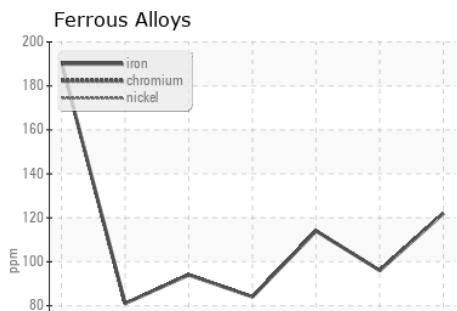
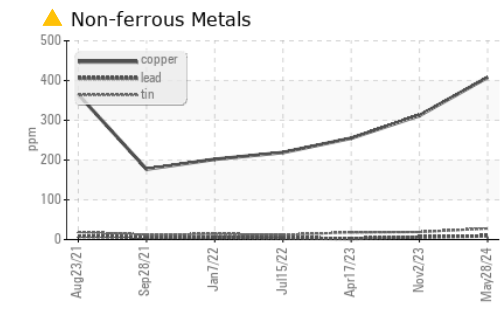
CONTAMINATION

There is a moderate amount of visible silt present in the sample. There is no indication of any contamination in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP0044280	RP0038597	RP0029613
Sample Date		Client Info		28 May 2024	02 Nov 2023	17 Apr 2023
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	NORMAL	NORMAL
PQ		ASTM D8184		88	50	87
Iron	ppm	ASTM D5185m	>200	122	96	114
Chromium	ppm	ASTM D5185m	>15	1	<1	<1
Nickel	ppm	ASTM D5185m	>15	3	1	2
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		1	0	0
Aluminum	ppm	ASTM D5185m	>25	1	2	<1
Lead	ppm	ASTM D5185m	>100	9	6	2
Copper	ppm	ASTM D5185m	>200	▲ 408	312	255
Tin	ppm	ASTM D5185m	>25	▲ 28	19	18
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	4	2	2
Potassium	ppm	ASTM D5185m	>20	<1	1	<1
Water	%	ASTM D6304	>0.2	0.005	0.008	0.011
ppm Water	ppm	ASTM D6304	>2000	60	84.1	114.3
Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	0	<1
Boron	ppm	ASTM D5185m	50	1	2	<1
Barium	ppm	ASTM D5185m	15	0	19	0
Molybdenum	ppm	ASTM D5185m	15	<1	0	<1
Manganese	ppm	ASTM D5185m		2	<1	1
Magnesium	ppm	ASTM D5185m	50	2	1	2
Calcium	ppm	ASTM D5185m	50	0	9	9
Phosphorus	ppm	ASTM D5185m	350	194	212	191
Zinc	ppm	ASTM D5185m	100	24	30	26
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.47	0.45	0.49
Visc @ 40°C	cSt	ASTM D445	220	238	242	237



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0044280 **Received** : 29 May 2024
Lab Number : 06194114 **Tested** : 30 May 2024
Unique Number : 11056237 **Diagnosed** : 31 May 2024 - Angela Borella
Test Package : IND 2 (Additional Tests: PQ)

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Certificate L2367
 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)