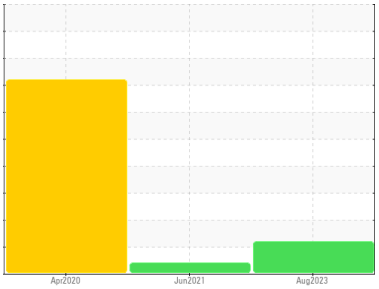
PROBLEM SUMMARY

Sample Rating Trend

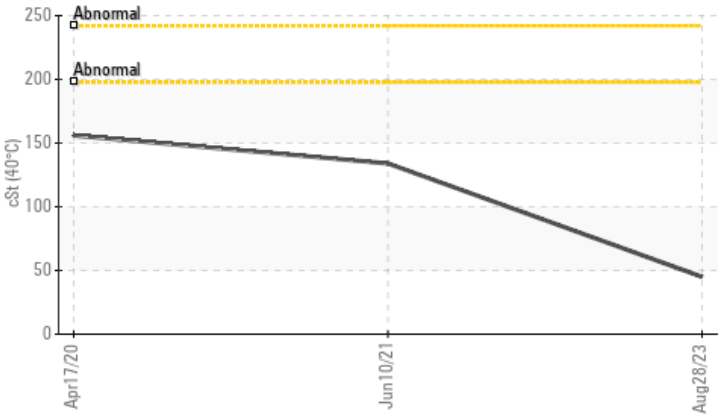


VISCOSITY

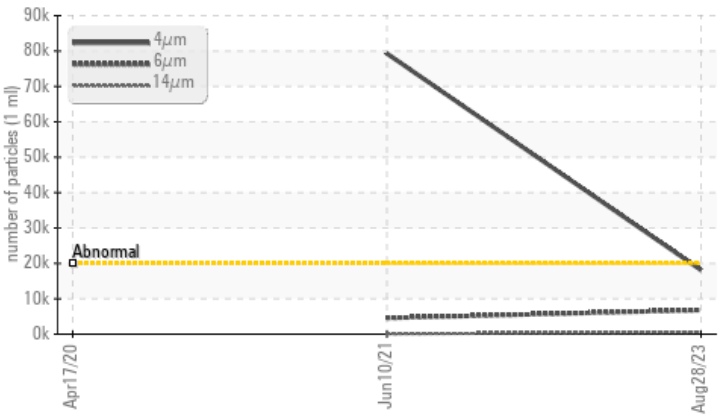
Area
P1
Machine Id
3310-B - P1-B DRYER
Component
Gearbox
Fluid
NOT GIVEN (4 QTS)

COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



▲ Particle Trend



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ABNORMAL	SEVERE
Particles >6µm		ASTM D7647	>5000	▲ **6801**	4545	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ **21/20/16**	▲ 23/19/13	---
Visc @ 40°C	cSt	ASTM D445		▲ **45.0**	134	156

Customer Id: AJIRAL
Sample No.: WC0818807
Lab Number: 05937878
Test Package: PLANT

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

10 Jun 2021 Diag: Don Baldridge

ISO

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

17 Apr 2020 Diag: Jonathan Hester

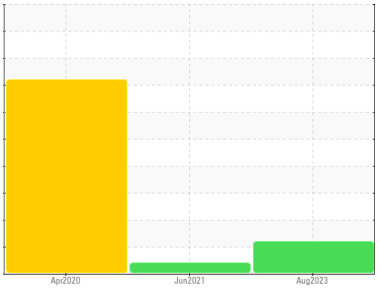
WEAR

We recommend you service the filters on this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. We were unable to perform a particle count due to metal particles present in this sample.High concentration of visible metal present. Gear wear is indicated. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY

Area
P1
Machine Id
3310-B - P1-B DRYER
Component
Gearbox
Fluid
NOT GIVEN (4 QTS)

DIAGNOSIS

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 silt (particulates < 14 microns in size) present in the oil.

Fluid Condition
The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0818807**	WC0584817	WC0425050
Sample Date		Client Info		**28 Aug 2023**	10 Jun 2021	17 Apr 2020
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	200
Oil Changed		Client Info		**N/A**	N/A	Changed
Sample Status				**ATTENTION**	ABNORMAL	SEVERE

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**4**	62	2390
Chromium	ppm	ASTM D5185m	>15	**0**	<1	8
Nickel	ppm	ASTM D5185m	>15	**0**	0	<1
Titanium	ppm	ASTM D5185m		**0**	<1	<1
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**3**	0	1
Lead	ppm	ASTM D5185m	>100	**0**	<1	0
Copper	ppm	ASTM D5185m	>200	**1**	<1	5
Tin	ppm	ASTM D5185m	>25	**0**	<1	0
Antimony	ppm	ASTM D5185m	>5	**---**	0	155
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

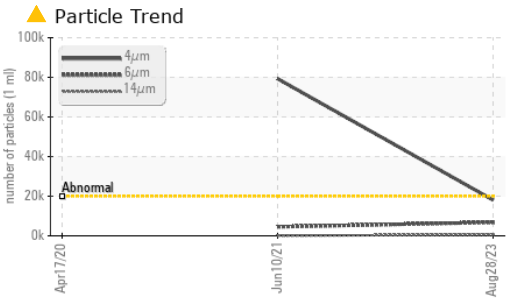
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	10	15
Barium	ppm	ASTM D5185m		**0**	16	<1
Molybdenum	ppm	ASTM D5185m		**0**	0	0
Manganese	ppm	ASTM D5185m		**0**	<1	18
Magnesium	ppm	ASTM D5185m		**<1**	<1	0
Calcium	ppm	ASTM D5185m		**56**	21	4
Phosphorus	ppm	ASTM D5185m		**320**	275	322
Zinc	ppm	ASTM D5185m		**511**	0	23
Sulfur	ppm	ASTM D5185m		**1086**	11374	11956

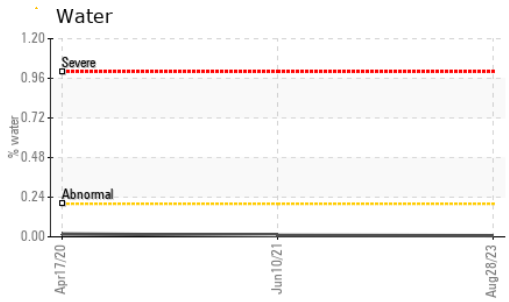
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**0**	2	10
Sodium	ppm	ASTM D5185m		**10**	0	2
Potassium	ppm	ASTM D5185m	>20	**0**	0	2
Water	%	ASTM D6304	>0.2	**0.007**	0.009	0.017
ppm Water	ppm	ASTM D6304	>2000	**79.1**	96.3	172.8

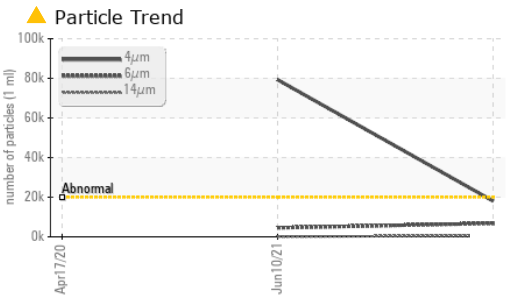
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	**18090**	79314	---
Particles >6µm		ASTM D7647	>5000	**6801**	4545	---
Particles >14µm		ASTM D7647	>640	**578**	68	---
Particles >21µm		ASTM D7647	>160	**130**	10	---
Particles >38µm		ASTM D7647	>40	**5**	0	---
Particles >71µm		ASTM D7647	>10	**0**	0	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	**21/20/16**	23/19/13	---

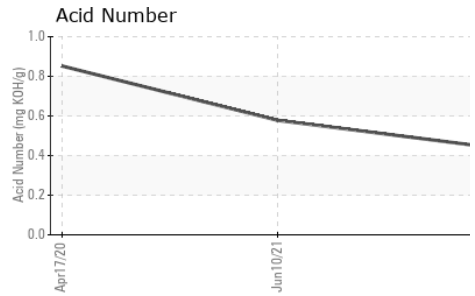
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.44**	0.578	0.852

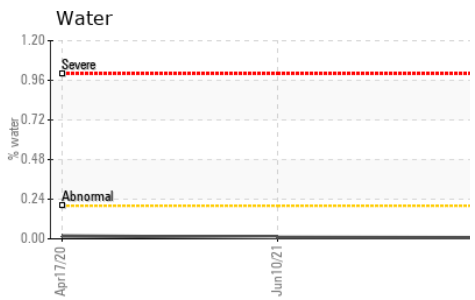
OIL ANALYSIS REPORT









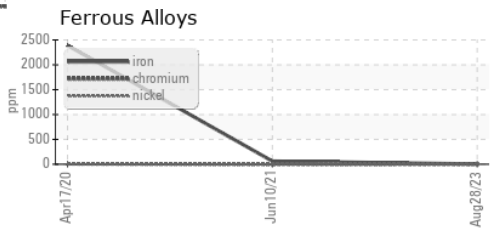


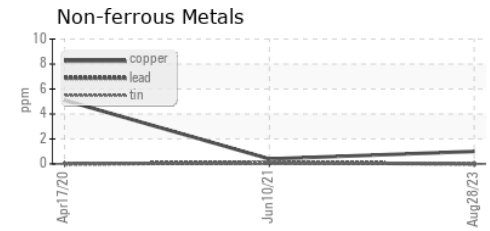
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	▲ HEAVY
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**LIGHT**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

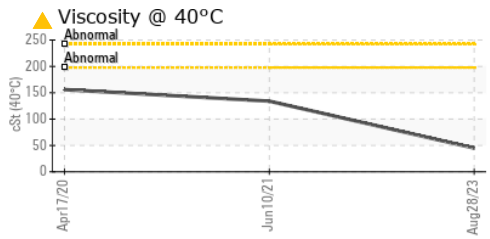
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		▲ **45.0**	134	156

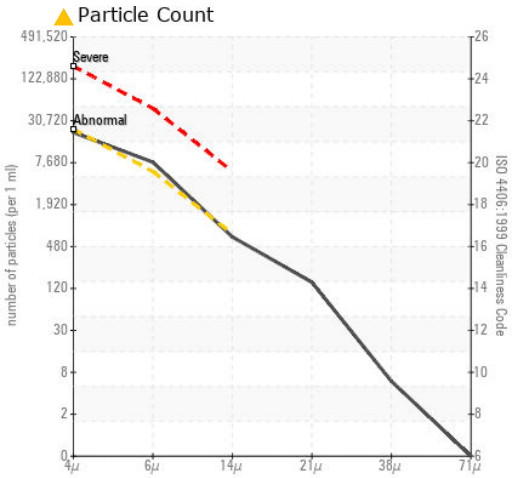
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

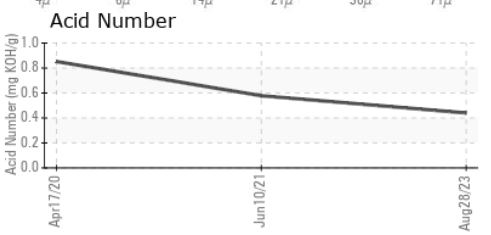
GRAPHS











Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0818807 **Received** : 29 Aug 2023
Lab Number : 05937878 **Diagnosed** : 31 Aug 2023
Unique Number : 10628490 **Diagnostician** : Don Baldridge
Test Package : PLANT

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)

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