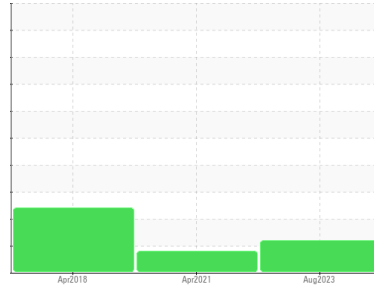




PROBLEM SUMMARY

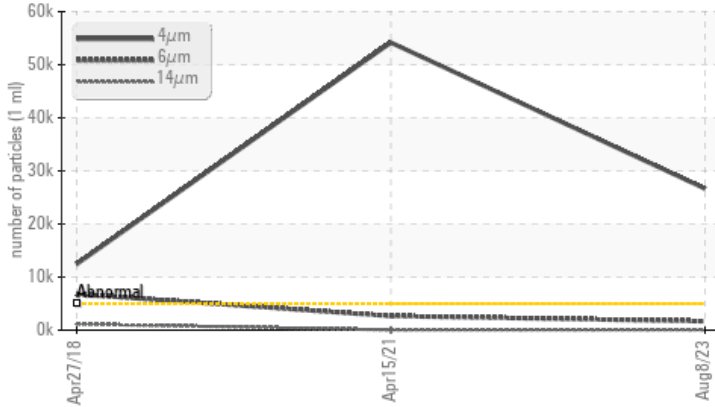
Area
ROOM A
 Machine Id
LINE 8 (S/N 2904)
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 46 (50 GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>5000	▲ 26651	▲ 54182	▲ 12448
Particles >6µm	ASTM D7647	>1300	▲ 1669	▲ 2657	▲ 6781
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 22/18/13	▲ 23/19/12	▲ 21/20/17

Customer Id: CONANA
 Sample No.: WC0811844
 Lab Number: 05936640
 Test Package: IND 2



To manage this report scan the QR code

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

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

15 Apr 2021 Diag: Jonathan Hester

ISO



We recommend you service the filters on this component if applicable. 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



27 Apr 2018 Diag: Doug Bogart

ISO



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

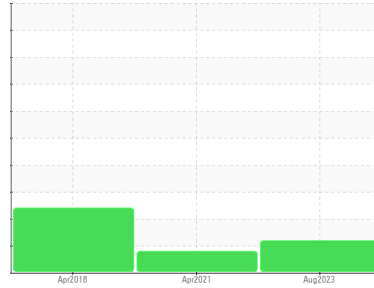
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
ROOM A
 Machine Id
LINE 8 (S/N 2904)

Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 46 (50 GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0811844	WC0379014	WCI2326740
Sample Date	Client Info		08 Aug 2023	15 Apr 2021	27 Apr 2018
Machine Age	days	Client Info	0	0	0
Oil Age	days	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >40	27	26	27
Chromium	ppm	ASTM D5185m >4	1	1	1
Nickel	ppm	ASTM D5185m >20	0	0	0
Titanium	ppm	ASTM D5185m	0	0	<1
Silver	ppm	ASTM D5185m	0	<1	<1
Aluminum	ppm	ASTM D5185m >4	<1	0	1
Lead	ppm	ASTM D5185m >10	0	<1	<1
Copper	ppm	ASTM D5185m >60	10	9	2
Tin	ppm	ASTM D5185m >4	<1	<1	0
Antimony	ppm	ASTM D5185m	---	0	0
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 5	0	1	3
Barium	ppm	ASTM D5185m 5	0	0	0
Molybdenum	ppm	ASTM D5185m 5	0	2	1
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m 25	2	2	3
Calcium	ppm	ASTM D5185m 200	69	76	80
Phosphorus	ppm	ASTM D5185m 300	305	302	201
Zinc	ppm	ASTM D5185m 370	371	390	239
Sulfur	ppm	ASTM D5185m 2500	1137	904	479

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	6	5	10
Sodium	ppm	ASTM D5185m	2	<1	3
Potassium	ppm	ASTM D5185m >20	0	0	<1

FLUID CLEANLINESS

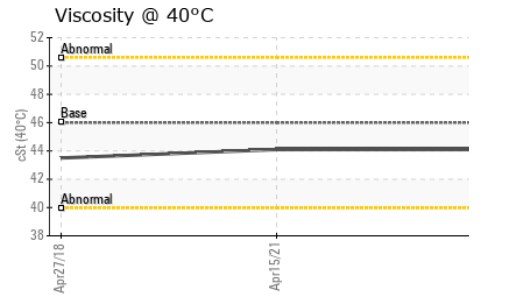
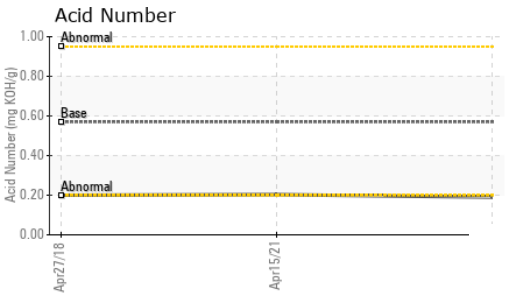
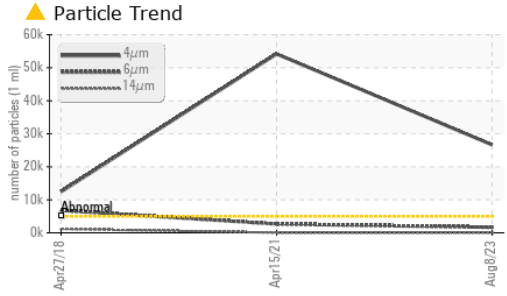
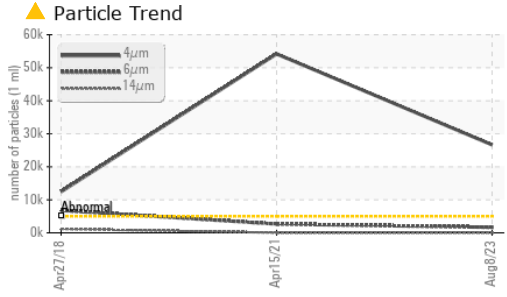
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 26651	▲ 54182	▲ 12448
Particles >6µm	ASTM D7647	>1300	▲ 1669	▲ 2657	▲ 6781
Particles >14µm	ASTM D7647	>160	46	34	▲ 1155
Particles >21µm	ASTM D7647	>40	15	8	▲ 389
Particles >38µm	ASTM D7647	>10	1	1	▲ 60
Particles >71µm	ASTM D7647	>3	0	0	▲ 6
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 22/18/13	▲ 23/19/12	▲ 21/20/17

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.57	0.19	0.203	0.200



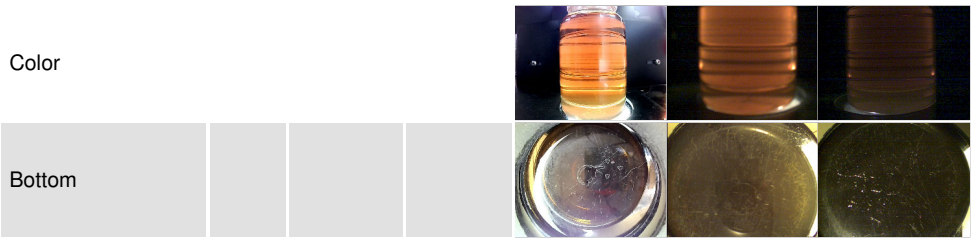
OIL ANALYSIS REPORT



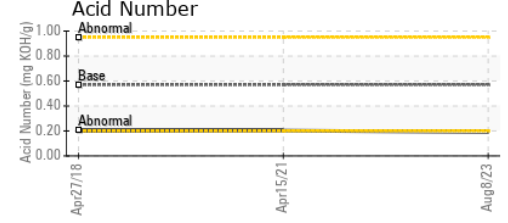
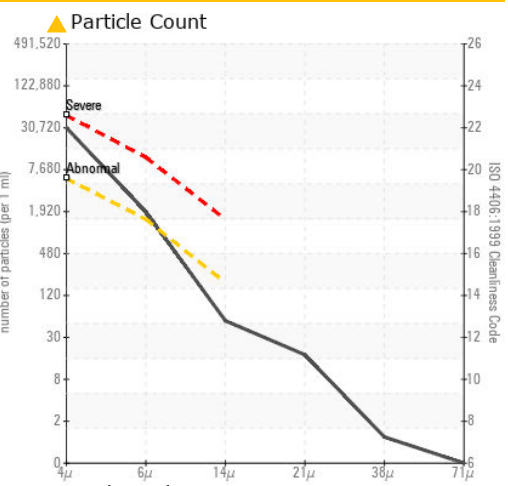
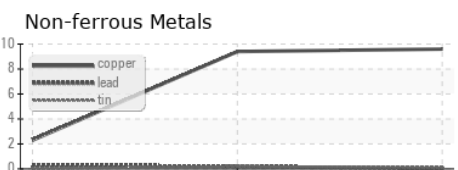
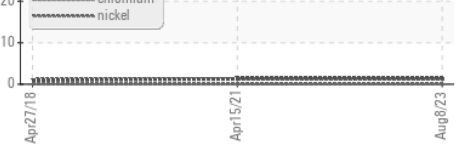
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	44.1	44.1	43.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0811844 **Received** : 28 Aug 2023
Lab Number : 05936640 **Diagnosed** : 29 Aug 2023
Unique Number : 10621911 **Diagnostician** : Don Baldrige
Test Package : IND 2

Altium Packaging - ANAHEIM - Plant 1304A
 1201 E CERRITOS AVE, UNIT 121
 ANAHEIM, CA 92855
 Contact: EVELYN VALLES
 evelyn.valles@altiumpkg.com
 T: (323)542-7140
 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)