

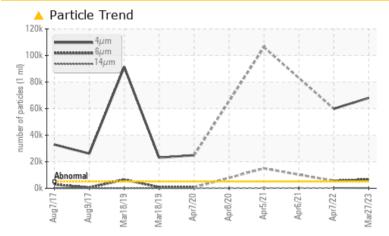
# **PROBLEM SUMMARY**

MACHINE 14 (S/N 4556)

Hydraulic System

# SAFETY-KLEEN PERFORMANCE PLUS HYDRAULIC AW 46 (55 GAL)

# COMPONENT CONDITION SUMMARY



### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL			
Particles >4µm	ASTM D7647 >5000	<b>68025</b>	▲ 59860				
Particles >6µm	ASTM D7647 >1300	🔺 6656	▲ 5572				
Oil Cleanliness	ISO 4406 (c) >19/17/14	<u> </u>	🔺 23/20/15				

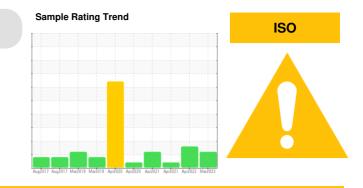
Customer Id: CONSAM Sample No.: WC0800153 Lab Number: 05810921 Test Package: IND 2



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							
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			

## HISTORICAL DIAGNOSIS



# 07 Apr 2022 Diag: Jonathan Hester

The filter change at the time of sampling has been noted. 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.



### 06 Apr 2021 Diag: Don Baldridge



We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### 05 Apr 2021 Diag: Don Baldridge



# 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

# MACHINE 14 (S/N 4556)

Hydraulic System

# SAFETY-KLEEN PERFORMANCE PLUS HYDRAULIC AW 46 (55 GAL)

DIAGNOSIS
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# Recommendation

Oil and filter change at the time of sampling has been noted. 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 high amount of silt (particulates < 14 microns in size) present in the oil.

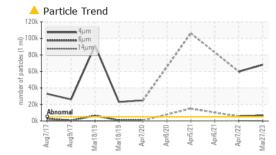
#### Fluid Condition

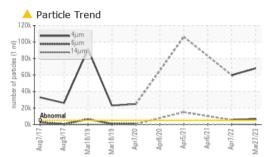
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

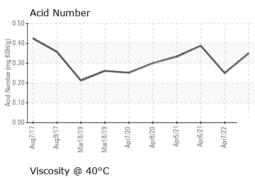
			2017 Mar2019 Mar2019 Apr2			
SAMPLE INFORM	<b>JATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0800153	WC0668633	WC0567493
Sample Date		Client Info		27 Mar 2023	07 Apr 2022	06 Apr 2021
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	11
Oil Changed		Client Info		Changed	Filtered	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	13	10	4
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	2	1	17
Tin	ppm	ASTM D5185m	>20	0	0	<1
Antimony	ppm	ASTM D5185m				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		0	1	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		23	14	20
Calcium	ppm	ASTM D5185m	48	80	77	87
Phosphorus	ppm	ASTM D5185m	340	366	338	358
Zinc	ppm	ASTM D5185m	430	459	457	469
Sulfur	ppm	ASTM D5185m		1117	799	900
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	0
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>68025</b>	▲ 59860	
Particles >6µm		ASTM D7647	>1300	🔺 6656	▲ 5572	
Particles >14µm		ASTM D7647	>160	81	<b>2</b> 71	
Particles >21µm		ASTM D7647	>40	18	<b>A</b> 80	
Particles >38µm		ASTM D7647	>10	1	9	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 23/20/14	▲ 23/20/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.35	0.25	0.388
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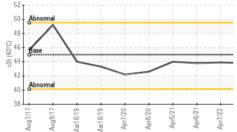


# **OIL ANALYSIS REPORT**

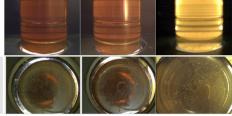




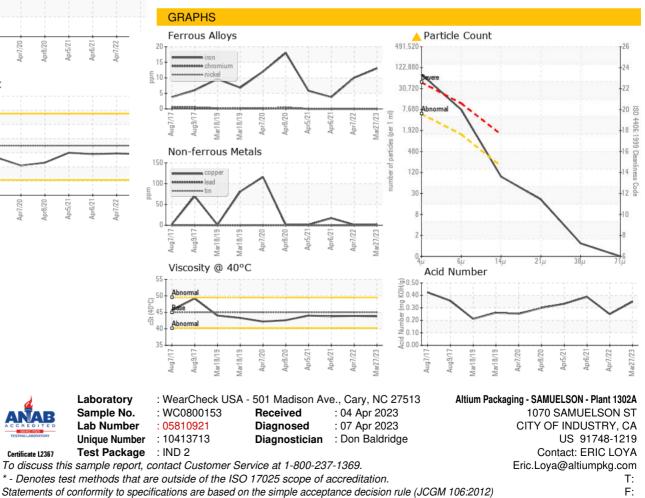




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	🔺 MODER
Sand/Dirt	scalar	*Visual	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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45.0	43.8	43.9	43.8
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						



Bottom



Contact/Location: ERIC LOYA - CONSAM