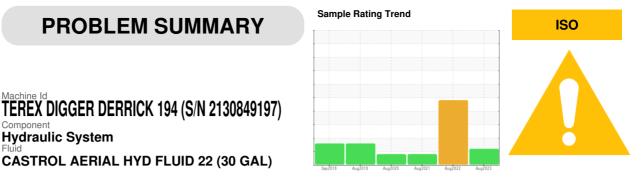


PROBLEM SUMMARY

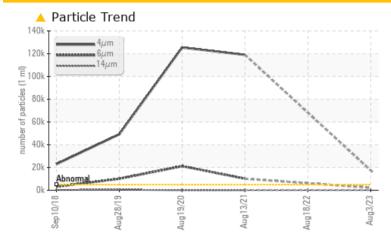
CASTROL AERIAL HYD FLUID 22 (30 GAL)



COMPONENT CONDITION SUMMARY

Component

Hydraulic System



RECOMMENDATION

Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

PROBLEMATIC TEST RESULTS						
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL	
Particles >4µm	ASTM D7647	>5000	<u> </u>		▲ 118995	
Particles >6µm	ASTM D7647	>1300	🔺 2197		🔺 10137	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<u> </u>		▲ 24/21/12	

Customer Id: COBMARGA Sample No.: ST44184 Lab Number: 05926754 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

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

RECOMMENDED	ACTIONS			
Action	Status	Date	Done By	De
Contact Required			?	Du (20

Description

Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

HISTORICAL DIAGNOSIS





There is too much water present in this sample to perform a particle count. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.All component wear rates are normal. There is a moderate amount of visible silt present in the sample. There is a light concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid. The condition of the oil is



view report

13 Aug 2021 Diag: Doug Bogart

acceptable for the time in service.

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.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.



19 Aug 2020 Diag: Jonathan Hester

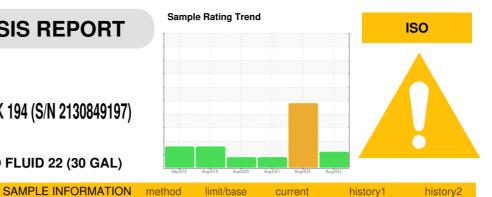
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue. All component wear rates are normal. There is a moderate amount 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.







OIL ANALYSIS REPORT



Machine Id TEREX DIGGER DERRICK 194 (S/N 2130849197) Component Hydraulic System CASTROL AERIAL HYD FLUID 22 (30 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

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 acceptable for the time in service.

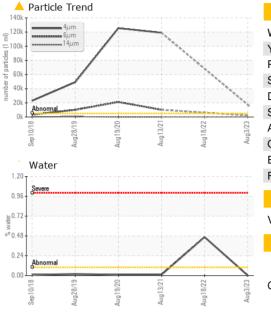
Sample Number		Client Info		ST44184	ST40836	ST40669
Sample Date		Client Info		03 Aug 2023	18 Aug 2022	13 Aug 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	0 N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron		ASTM D5185m		2	6	6
-	ppm			2 <1	<1	<1
Chromium	ppm	ASTM D5185m				
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	1	0
Aluminum	ppm	ASTM D5185m		0	6	7
Lead	ppm		>10	<1	<1	<1
Copper	ppm	ASTM D5185m		3	8	7
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	2	2
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		2	4	4
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		5	10	16
Calcium	ppm	ASTM D5185m		60	120	143
Phosphorus	ppm	ASTM D5185m		320	442	460
Zinc	ppm	ASTM D5185m		197	134	146
Sulfur	ppm	ASTM D5185m		1278	1299	1251
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	8	9
Sodium	ppm	ASTM D5185m		2	26	1
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.1	0.002	▲ 0.466	0.010
ppm Water	ppm	ASTM D6304	>1000	17.6	4660	103.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	17448		1 18995
Particles >6µm		ASTM D7647	>1300	🔺 2197		1 0137
Particles >14µm		ASTM D7647	>160	29		22
Particles >21µm		ASTM D7647	>40	7		5
		ASTM D7647	>10	0		0
Particles >38µm		AO INI DI OFI	F 10	v		
Particles >38µm Particles >71µm		ASTM D7647	>3	0		0
•						0
Particles >71µm		ASTM D7647	>3	0		

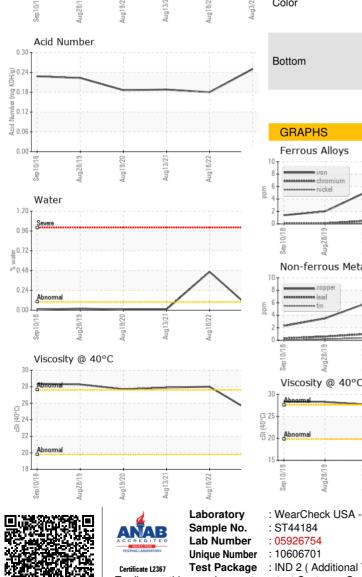
Report Id: COBMARGA [WUSCAR] 05926754 (Generated: 08/17/2023 11:44:24) Rev: 1

Contact/Location: WADE HARRIS - COBMARGA

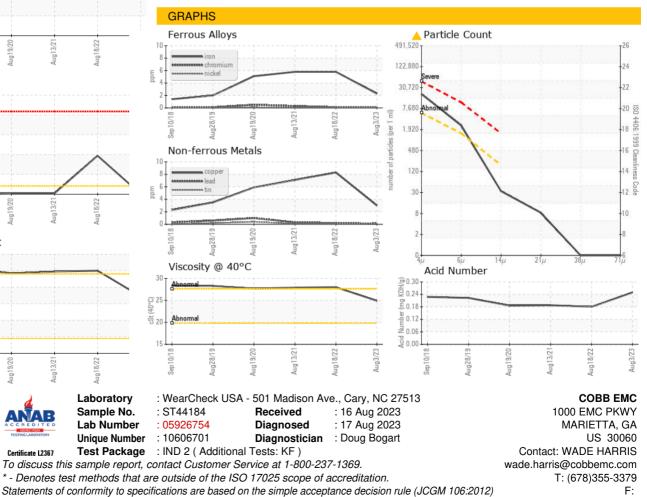


OIL ANALYSIS REPORT





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	A MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	🔺 HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%	NEG
Free Water	scalar	*Visual		NEG	1 .0	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		24.9	28.0	27.9
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						



Contact/Location: WADE HARRIS - COBMARGA