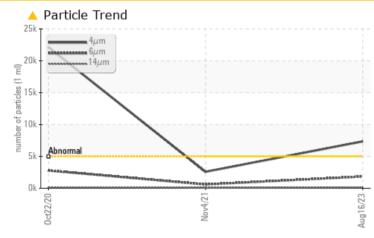


PROBLEM SUMMARY

Area 24A Machine Id [24A] 24A Calender - Roll Mill Hydraulic

Hydraulic System Fluid ESSO NUTO H ISO 68 (--- 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			ATTENTION	ABNORMAL	ABNORMAL				
Particles >4µm	ASTM D7647	>5000	A 7362	2584	<u> </u>				
Particles >6µm	ASTM D7647	>1300	🔺 1845	600	<u> </u>				
Oil Cleanliness	ISO 4406 (c)	>19/17/14	20/18/14	19/16/13	<u> </u>				

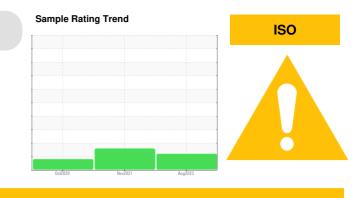
Customer Id: ACHEVE Sample No.: PCA0076288 Lab Number: 05931512 Test Package: PLANT



To manage this report scan the QR code

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

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



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



04 Nov 2021 Diag: Don Baldridge

No corrective action is recommended at this time. Resample at the next service interval to monitor. The lead level is abnormal. The tin level is severe. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



22 Oct 2020 Diag: Jonathan Hester



Oil and 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 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



Hydraulic System Fluid ESSO NUTO H ISO 68 (--- GAL)

DIAGNOSIS

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

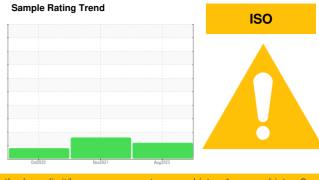
All component wear rates are normal.

Contamination

There is a moderate 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 INFORM	/IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0076288	PCA0049843	PCA0024786
Sample Date		Client Info		16 Aug 2023	04 Nov 2021	22 Oct 2020
Machine Age	hrs	Client Info		8760	0	0
Oil Age	hrs	Client Info		8760	0	0
Oil Changed		Client Info		Oil Added	N/A	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	2
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	6	5
Lead	ppm	ASTM D5185m	>20	<1	6 0	4
Copper	ppm	ASTM D5185m	>20	<1	6	<1
Tin	ppm	ASTM D5185m	>20	0	4	<1
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	0	0	<1	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	Ū	0	0	<1
Magnesium	ppm	ASTM D5185m	5	0	0	3
Calcium	ppm	ASTM D5185m	50	47	3	10
Phosphorus	ppm	ASTM D5185m	330	371	528	540
Zinc	ppm	ASTM D5185m	420	376	59	30
Sulfur	ppm	ASTM D5185m	3100	1075	1602	1095
CONTAMINAN		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m	>10	2	5	6
	ppm		>20	2	10	
	ppm	ASTM D5185m				<1
FLUID CLEANL	INESS		limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	A 7362	2584	<u> </u>
Particles >6µm		ASTM D7647	>1300	<u> </u>	600	<u> </u>
Particles >14µm		ASTM D7647	>160	132	72	134
Particles >21µm		ASTM D7647	>40	29	18	40
Particles >38µm		ASTM D7647	>10	1	2	8
Particles >71µm		ASTM D7647	>3	0	0	0
		100 4400 ()	10/17/14	1 State	10/10/10	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	19/16/13	<u>22/19/14</u>
Oil Cleanliness FLUID DEGRAD		ISO 4406 (c) method	>19/17/14 limit/base	20/18/14 current	history1	history2

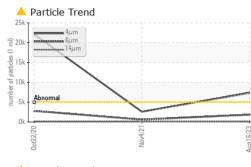


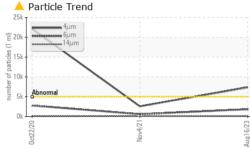
Acid Number

2 (

(B/HO)

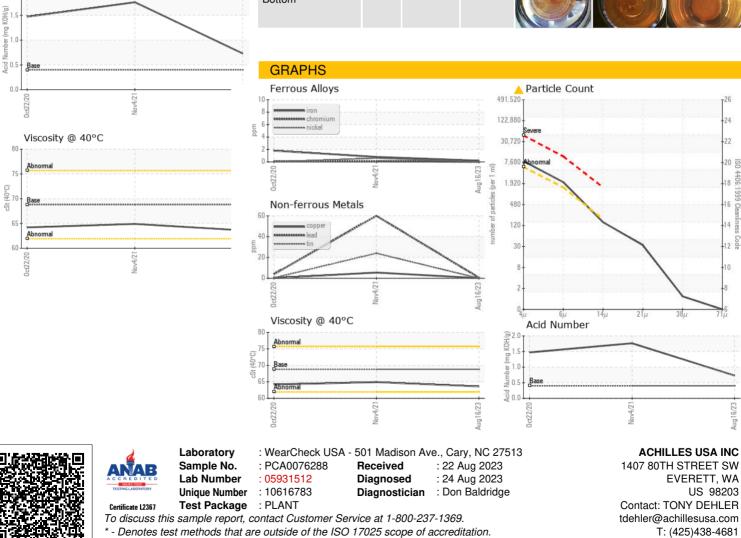
OIL ANALYSIS REPORT







Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: SHANE UNDERHILL

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