

PROBLEM SUMMARY

Sample Rating Trend

zd019 Apri2020 Bez2020 Sep2021 Apri2027 Justino Contraction



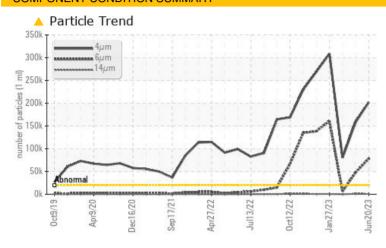
Fermentation

Lightnin FHG51CB01 Main Fermentor, Agitator

Gearbox

JAX FGG-AW ISO 220 (46 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST F	RESULTS				
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4μm	ASTM D7647	>20000	<u>^</u> 201832	<u>▲</u> 158442	▲ 80304
Particles >6μm	ASTM D7647	>5000	77857	48040	△ 6324
Particles >14μm	ASTM D7647	>640	^ 768	△ 1096	73
Oil Cleanliness	ISO 4406 (c)	>21/19/16	25/23/17	24/23/17	24/20/13

Customer Id: NOVFRANC Sample No.: WC0782842 Lab Number: 05880794 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@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	Description
Change Filter			?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

15 Mar 2023 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.



08 Feb 2023 Diag: Jonathan Hester

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

27 Jan 2023 Diag: Doug Bogart

150



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.





OIL ANALYSIS REPORT

Sample Rating Trend

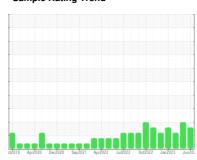
ISO

Fermentation

Lightnin FHG51CB01 Main Fermentor, Agitator

Component Gearbox

JAX FGG-AW ISO 220 (46 GAL)





DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

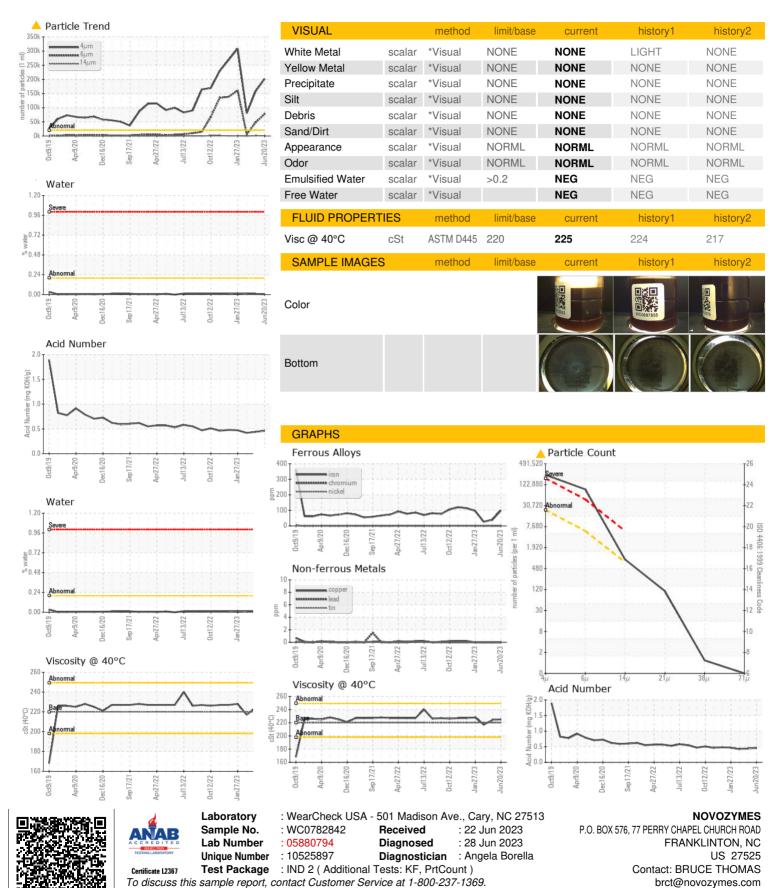
Fluid Condition

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

		ct2019 Apr20	20 Dec2020 Sep2021	Apr2022 Jul2022 Oct2022 Jan	2023 Jun20,	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0782842	WC0697855	WC0753879
Sample Date		Client Info		20 Jun 2023	15 Mar 2023	08 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	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	>200	99	39	26
Chromium	ppm	ASTM D5185m	>15	<1	<1	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>25	0	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	<1	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	<1	0
Phosphorus	ppm	ASTM D5185m		458	396	382
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		1536	1417	1666
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	2
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.2	0.004	0.008	0.009
ppm Water	ppm	ASTM D6304	>2000	45.5	89.3	95.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	201832	<u></u> 158442	▲ 80304
Particles >6µm		ASTM D7647	>5000	<u> </u>	48040	△ 6324
Particles >14μm		ASTM D7647	>640	^ 768	▲ 1096	73
Particles >21µm		ASTM D7647	>160	96	<u>^</u> 216	12
Particles >38μm		ASTM D7647	>40	1	18	0
		ASTM D7647	>10	0	0	0
Particles >71µm				•		
Particles >71µm Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>△</u> 25/23/17	<u>4</u> 24/23/17	2 4/20/13
	ATION	ISO 4406 (c)	>21/19/16 limit/base		△ 24/23/17 history1	▲ 24/20/13 history2



OIL ANALYSIS REPORT



* - 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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