

PROBLEM SUMMARY

Sample Rating Trend

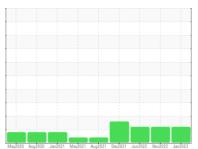
ISO

FERMENTATION

AAA Great Wall NEJ31JB01 - MAIN FERMENTOR AGITATOR

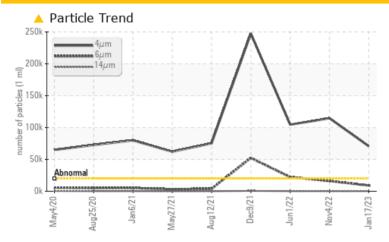
Component Gearbox

FUCHS CASSIDA GL 320 (135 LTR)





COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL			
Particles >4µm	ASTM D7647	>20000	^ 70738	<u>114593</u>	<u> </u>			
Particles >6µm	ASTM D7647	>5000	8962	<u> </u>	<u>22284</u>			
Oil Cleanliness	ISO 4406 (c)	>21/19/16	23/20/14	2 4/21/14	4 24/22/15			

Customer Id: NOVBLA **Sample No.:** WC0768176 Lab Number: 05758813 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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.
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

04 Nov 2022 Diag: Wes Davis





We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Oil Cleanliness are abnormally high. Particles $>4\mu m$ are abnormally high. Particles $>6\mu m$ are abnormally high. The water content is negligible. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



01 Jun 2022 Diag: Wes Davis

ISO



We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Oil Cleanliness are abnormally high. Particles >4µm are abnormally high. Particles >6µm are abnormally high. The water content is negligible. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

view report

09 Dec 2021 Diag: Doug Bogart

VISCOSITY



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 particulates present in the oil. Viscosity of sample indicates oil is within ISO 320 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Sample Rating Trend

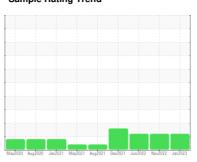
ISO

FERMENTATION

AAA Great Wall NEJ31JB01 - MAIN FERMENTOR AGITATOR

Gearbox

FUCHS CASSIDA GL 320 (135 LTR)





DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

Oil Cleanliness are abnormally high. Particles >4µm are abnormally high. Particles >6µm are notably high. The water content is negligible.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0768176	WC0714668	WC0654056
Sample Date		Client Info		17 Jan 2023	04 Nov 2022	01 Jun 2022
	mths	Client Info		0	0	0
Oil Age	mths	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 p	opm	ASTM D5185m	>200	6	9	6
Chromium	opm	ASTM D5185m	>15	0	0	0
Nickel	opm	ASTM D5185m	>15	0	0	0
Titanium	opm	ASTM D5185m		0	0	0
Silver	opm	ASTM D5185m		0	0	<1
Aluminum	opm	ASTM D5185m	>25	0	0	0
Lead	opm	ASTM D5185m	>100	0	0	<1
Copper	opm	ASTM D5185m	>200	0	0	0
Tin p	opm	ASTM D5185m	>25	0	0	0
Antimony	opm	ASTM D5185m	>5			
Vanadium	opm	ASTM D5185m		0	0	0
Cadmium	opm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185m		0	0	0
Barium	opm	ASTM D5185m		1	0	0
Molybdenum p	opm	ASTM D5185m		0	0	0
Manganese p	opm	ASTM D5185m		0	0	<1
Magnesium	opm	ASTM D5185m		0	0	0
Calcium	opm	ASTM D5185m		0	0	0
Phosphorus	opm	ASTM D5185m		497	514	507
Zinc	opm	ASTM D5185m		6	3	6
Sulfur	opm	ASTM D5185m		672	816	636
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	opm	ASTM D5185m	>50	<1	<1	<1
Sodium	opm	ASTM D5185m		0	0	0
Potassium	opm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.2	0.004	0.003	0.005
ppm Water p	opm	ASTM D6304	>2000	47.5	39.6	53.6
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	▲ 70738	<u>▲</u> 114593	<u>▲</u> 104521
Particles >6µm		ASTM D7647	>5000	A 8962	<u>▲</u> 16152	<u>^</u> 22284
Particles >14μm		ASTM D7647	>640	137	127	185
Particles >21µm		ASTM D7647	>160	8	11	28
Particles >38μm		ASTM D7647	>40	1	0	2
Particles >71μm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	23/20/14	<u>4</u> 24/21/14	2 4/22/15
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2

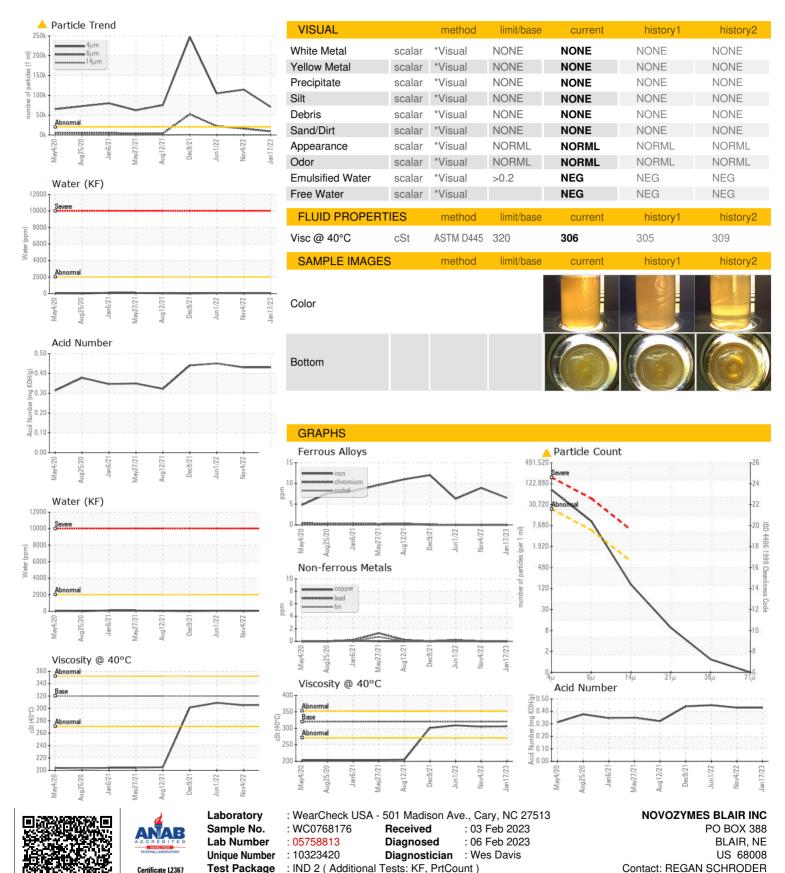
Acid Number (AN)

0.43

Submitted By: ALAN NELSON



OIL ANALYSIS REPORT



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)

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F: