

OIL ANALYSIS REPORT

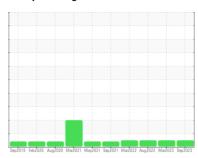
Sample Rating Trend

Fermentation

Lightnin FFG20DB01 Dosing Tank, Agitator

Gearbox

JAX FGG-AW ISO 220 (4 GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

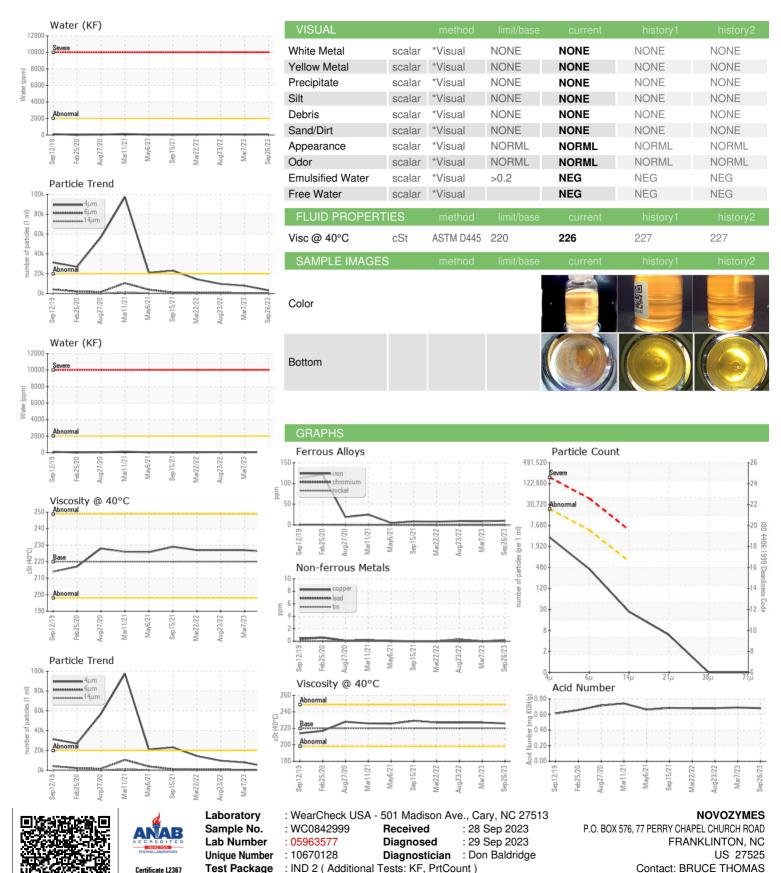
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0842999	WC0697843	WC0726018
Sample Date		Client Info		26 Sep 2023	07 Mar 2023	23 Aug 2022
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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	nnm	ASTM D5185m	>200	10	8	9
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel		ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m	>10	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	∪ <1	<1	<1
	ppm			0	0	
Lead	ppm	ASTM D5185m	>100			<1
Copper	ppm	ASTM D5185m	>200	<1	0	0
Tin	ppm		>25	0	0	<1
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	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		0	1	<1
Phosphorus	ppm	ASTM D5185m		624	554	571
Zinc	ppm	ASTM D5185m		0	2	1
Sulfur	ppm	ASTM D5185m		636	660	588
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.2	0.005	0.005	0.006
ppm Water	ppm	ASTM D6304	>2000	56.6	53.4	67.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	3096	7892	9646
Particles >6µm		ASTM D7647	>5000	384	583	593
Particles >14µm		ASTM D7647	>640	23	19	33
Particles >21µm		ASTM D7647	>160	5	3	7
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/16/12	20/16/11	20/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.68	0.69	0.68



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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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