

OIL ANALYSIS REPORT

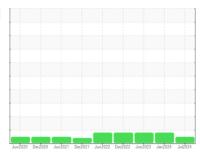
Δros

Fermentation Lightnin FFG20AB01 Dosing Tank, Agitator

Gearbox

Fluid

JAX FGG-AW ISO 220 (4 GAL)



Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Woor

All component wear rates are normal.

Contamination

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

Fluid Condition

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

		Jun2020 Dec	2020 Jun2021 Dec2021	Jun2022 Dec2022 Jun2023 Jan2	024 Jul2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0901913	WC0857612	WC0793869
Sample Date		Client Info		09 Jul 2024	11 Jan 2024	07 Jun 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				NORMAL	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	6	11	10
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	4
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	0	<1	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	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		50	99	101
Phosphorus	ppm	ASTM D5185m		570	530	518
Zinc	ppm	ASTM D5185m		0	0	3
Sulfur	ppm	ASTM D5185m		1028	939	1086
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.2	0.005	0.003	0.006
ppm Water	ppm	ASTM D6304	>2000	52	37	64.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	11036	27388	31087
Particles >6µm		ASTM D7647	>5000	860	1319	2080
Particles >14µm		ASTM D7647	>640	17	22	13
Particles >21µm		ASTM D7647	>160	4	5	3
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71μm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/17/11	22/18/12	22/18/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.49	0.49	0.50



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Certificate 12367

Laboratory Sample No.

Lab Number : 06237796

: WC0901913 Unique Number : 11126630

Received **Tested** Diagnosed

: 16 Jul 2024 : 17 Jul 2024 : 18 Jul 2024 - Don Baldridge

P.O. BOX 576, 77 PERRY CHAPEL CHURCH ROAD FRANKLINTON, NC US 27525

Test Package : IND 2 (Additional Tests: KF, PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (919)494-3146 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)494-3456

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