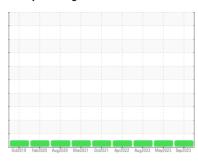


OIL ANALYSIS REPORT

Utility Machine Id Amarillo Gear Co FEH85AH02 Cooling Tower, Cell / Fan

Gearbox

JAX FGG-AW ISO 220 (---)



Sample Rating Trend



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.

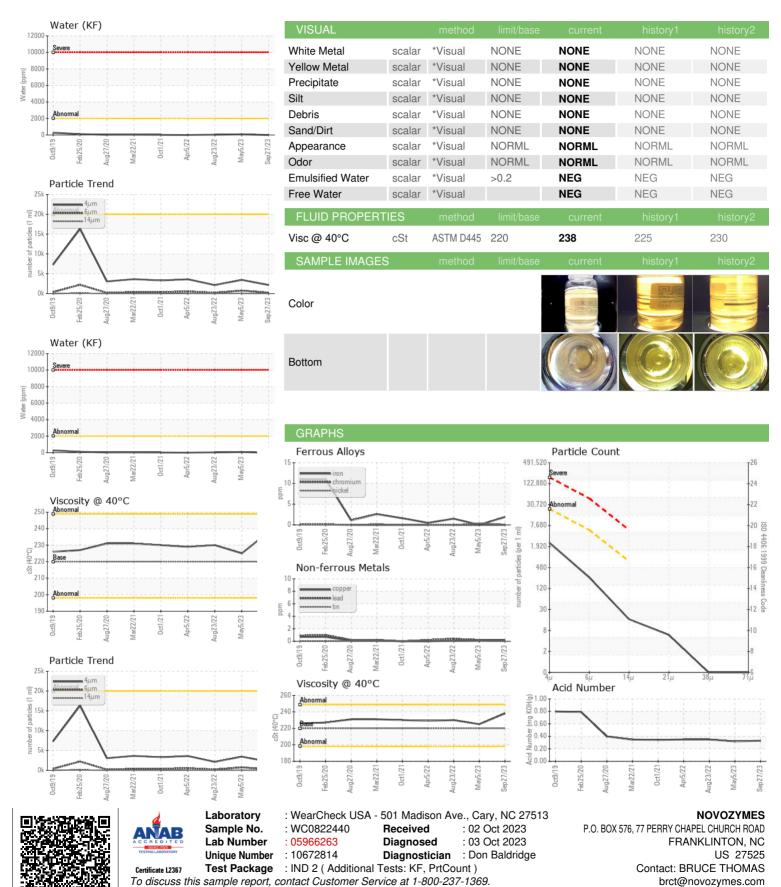
Fluid Condition

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

0.11.151.5	– . – . –			Oct2021 Apr2022 Aug2022 May20		
SAMPLE INFORM	MOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0822440	WC0774912	WC0726012
Sample Date		Client Info		27 Sep 2023	05 May 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	ppm	ASTM D5185m	>200	2	0	2
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>100	<1	<1	<1
Copper	ppm	ASTM D5185m	>200	<1	<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	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		594	567	566
Zinc	ppm	ASTM D5185m		251	218	210
Sulfur	ppm	ASTM D5185m		760	738	680
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	2	<1
Sodium	ppm	ASTM D5185m	>50	0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304		0.00	0.007	0.003
ppm Water	ppm	ASTM D6304	>2000	0.00	79.4	38.7
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	2152	3442	2125
Particles >6µm		ASTM D7647		220	740	204
Particles >14µm		ASTM D7647	>640	14	42	17
		ASTM D7647			6	5
Particles >21µm		ASTM D7647	>100	5 0	0	0
Particles >38µm				0	0	0
Particles >71μm Oil Cleanliness		ASTM D7647 ISO 4406 (c)	>10 >21/19/16	18/15/11	19/17/13	18/15/11
FLUID DEGRADA	TION -					
		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33	0.32	0.35



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)

T: (919)494-3146

F: (919)494-3456