

OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

PELLET MILL 2

Component

Gearbox

USPI FG GEAR 220 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

Wear

Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

No other contaminants were detected in the oil.

Fluid Condition

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

		Apr2021	Dec2021 Aug2022	Sep2022 Mar2023 0	lct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM30818	USPM27832	USPM27833
Sample Date		Client Info		29 Jan 2024	03 Oct 2023	22 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				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	3	6	7
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	0
Tin	ppm	ASTM D5185m	>25	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
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		<1	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		14	11	10
Phosphorus	ppm	ASTM D5185m		400	573	606
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		523	813	637
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	10	1
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.2	0.004	0.001	0.003
ppm Water	ppm	ASTM D6304	>2000	49	1.7	39.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>40000		▲ 61120	▲ 179025
Particles >6µm		ASTM D7647	>10000		▲ 15277	<u></u> 83548
Particles >14µm		ASTM D7647	>2500		710	1366
Particles >21µm		ASTM D7647	>640		136	244
Particles >38µm		ASTM D7647	>160		5	7
Particles >71µm		ASTM D7647	>40		1	0
Oil Cleanliness		ISO 4406 (c)	>22/20/18		2 3/21/17	△ 25/24/18
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A : 1 N	1/011/	4.OTM D00.45		0.04	0.01	0.04

Acid Number (AN)

mg KOH/g ASTM D8045

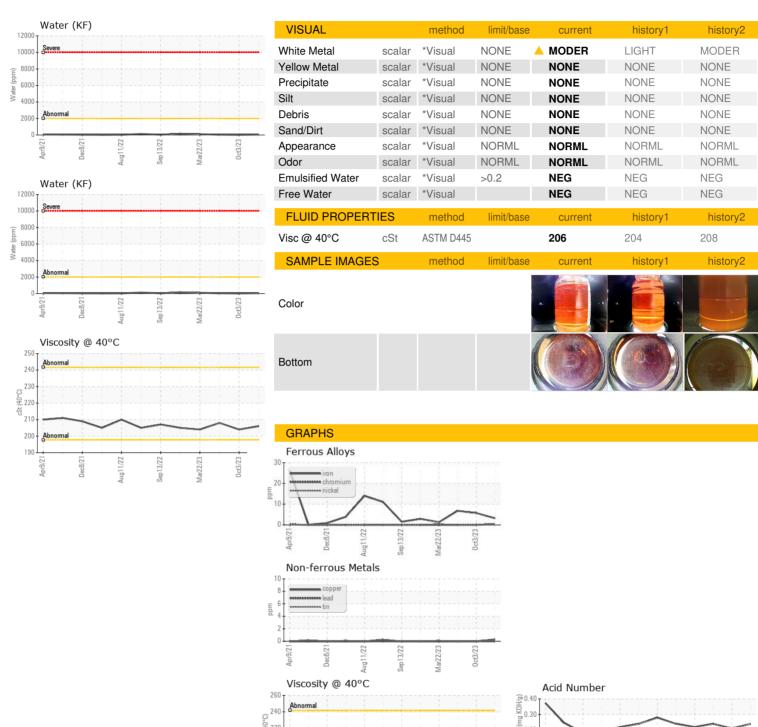
0.21

0.24

0.24



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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 10856109 Test Package : IND 2

240 (240 (200+) 220

200

180

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM30818 Recieved : 30 Jan 2024 : 06074018

Sep13/22

Aug11/22

Diagnosed : 31 Jan 2024 Diagnostician : Doug Bogart

Mar22/23

± 0.20

틀 0.10 0.00 g

> **CARGILL FEED & NUTRITION - SEGUIN** 2464 STATE HWY 46 NORTH

Sep13/22

Aug11/22

SEGUIN, TX US 78155

Contact: JOHN HAMRICK john_hamrick@cargill.com

T: F:

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)