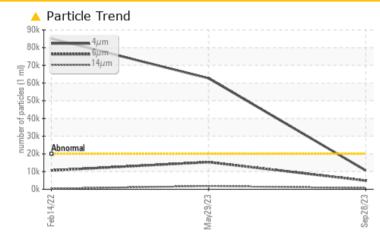


Machine Id PELLET MILL 1

Component Gearbox Fluid USPI FG GEAR 220 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST F	RESULTS			
Sample Status		ATTENTION	ABNORMAL	ABNORMAL
Particles >14µm	ASTM D7647 >64	0 🔺 666	1 818	362
Oil Cleanliness	ISO 4406 (c) >21	/19/16 🔺 21/19/17	🔺 23/21/18	<u> </u>

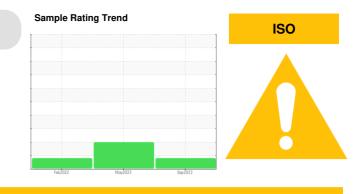
Customer Id: CARMILWI Sample No.: USPM29799 Lab Number: 05965413 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

29 May 2023 Diag: Doug Bogart



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



14 Feb 2022 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



current

ISO

history2

history1

Machine Id **PELLET MILL 1** Component Gearbox Fluid

USPI FG GEAR 220 (--- GAL)

DIAGNOSIS

A Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

Fluid Condition

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

		method	IIIIII/Dase	current	TISLOTYT	TIStory2
Sample Number		Client Info		USPM29799	USP212660	USP212661
Sample Date		Client Info		28 Sep 2023	29 May 2023	14 Feb 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				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	nnm	ASTM D5185m	>200	0	6	2
Chromium	ppm	ASTM D5185m		0	1	0
	ppm		>15	0	<1	
Nickel	ppm	ASTM D5185m	>15			0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	05	0	<1	0
Aluminum	ppm	ASTM D5185m		5	2	3
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m	>25	0	<1	<1
Antimony	ppm	ASTM D5185m	>5			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	<1	<1
Magnesium	ppm	ASTM D5185m		4	1	1
Calcium	ppm	ASTM D5185m		6	43	15
Phosphorus	ppm	ASTM D5185m		549	643	491
Zinc	ppm	ASTM D5185m		0	6	0
Sulfur	ppm	ASTM D5185m		486	464	417
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	4	6
Sodium	ppm	ASTM D5185m		0	<1	1
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water	%	ASTM D6304	>0.2	0.001	0.00	0.001
ppm Water	ppm	ASTM D6304	>2000	0.00	0.00	12.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	10641	62688	▲ 85100
Particles >6µm		ASTM D7647	>5000	4889	15330	10641
Particles >14µm		ASTM D7647	>640	<u> </u>	🔺 1818	362
Particles >21µm		ASTM D7647	>160	90	A 327	111
Particles >38µm		ASTM D7647	>40	6	10	6
Particles >71μm		ASTM D7647	>10	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 21/19/17	▲ 23/21/18	▲ 24/21/16
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.48	0.67	0.35
00.10) Devid	3			0		

Report Id: CARMILWI [WUSCAR] 05965413 (Generated: 10/03/2023 12:28:13) Rev: 1

Contact/Location: Sean Bertrand - CARMILWI

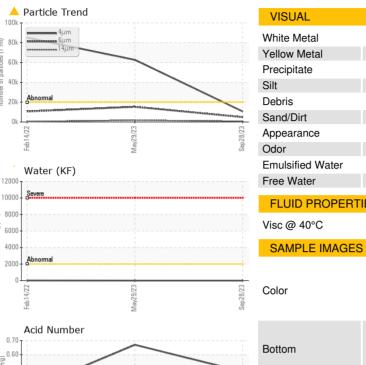


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Water

OIL ANALYSIS REPORT







Contact/Location: Sean Bertrand - CARMILWI