

# WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL

#### Machine Id **PELLET MILL** Component **Bearing** Fluid **PM 220 (--- GAL)**

#### RECOMMENDATION

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.

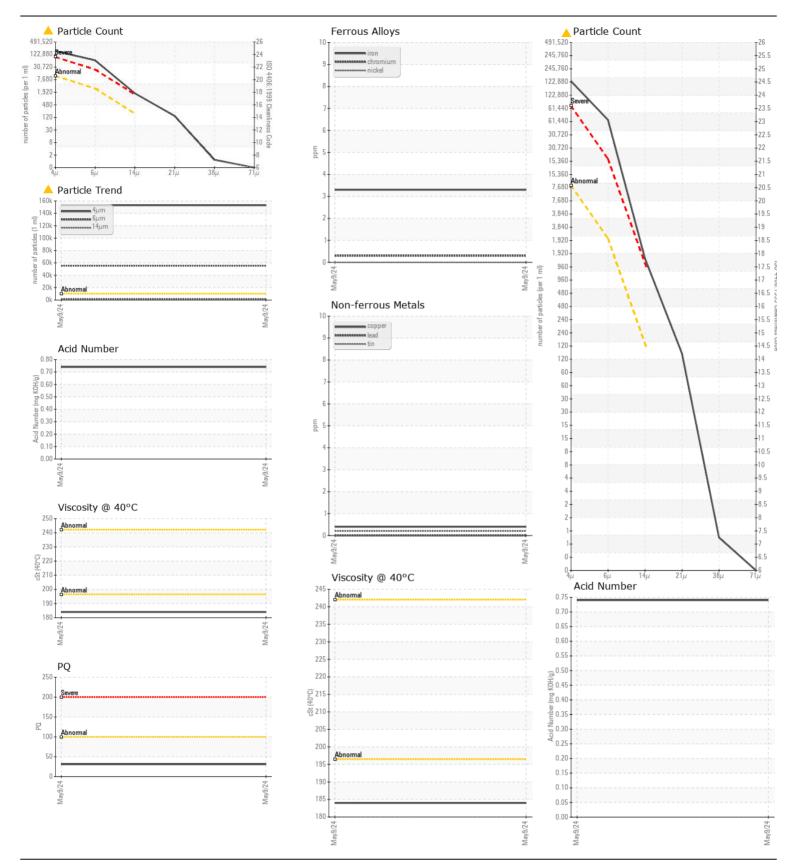
### CONTAMINATION

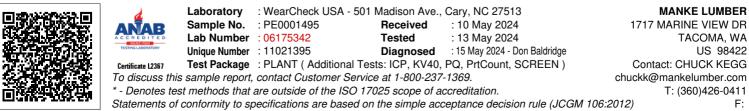
There is a high amount of particulates present in the oil.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0001495		
Sample Date		Client Info		09 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status				ABNORMAL		
PQ		ASTM D8184		31		
Iron	ppm	ASTM D5185m	>200	3		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>5	2		
Silver	ppm	ASTM D5185m	> OF	0 2		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>50	-		
Copper Tin	ppm	ASTM D5185m	>150	<1 <1		
Vanadium	ppm	ASTM D5185m ASTM D5185m	>10	<1 <1		
White Metal	ppm scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
	304141	v ioual				
Silicon	ppm	ASTM D5185m	>25	20		
Potassium	ppm	ASTM D5185m	>20	1		
Water		WC Method	>0.1	NEG		
Particles >4µm		ASTM D7647	>10000	<b>A</b> 153011		
Particles >6µm		ASTM D7647	>2500	<b>6</b> 55458		
Particles >14µm		ASTM D7647	>160	<u> </u>		
Particles >21µm		ASTM D7647	>40	🔺 123		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/14	<u> </u>		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Sodium	ppm	ASTM D5185m		0		
Boron	ppm	ASTM D5185m		4		
Barium	ppm	ASTM D5185m				
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		16		
Calcium	ppm	ASTM D5185m		185		
Phosphorus	ppm	ASTM D5185m		876		
Zinc	ppm	ASTM D5185m		1089		
Sulfur	ppm	ASTM D5185m		3425		
Acid Number (AN)	mg KOH/g	ASTM D8045		0.74		
Visc @ 40°C	cSt	ASTM D445		184		
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Contact/Location: CHUCK KEGG - MANTAC Page 2 of 2