

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id PELLET MILL 2 - M48528 (S/N 5103771) Component Gearbox

Fluid

GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

A Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

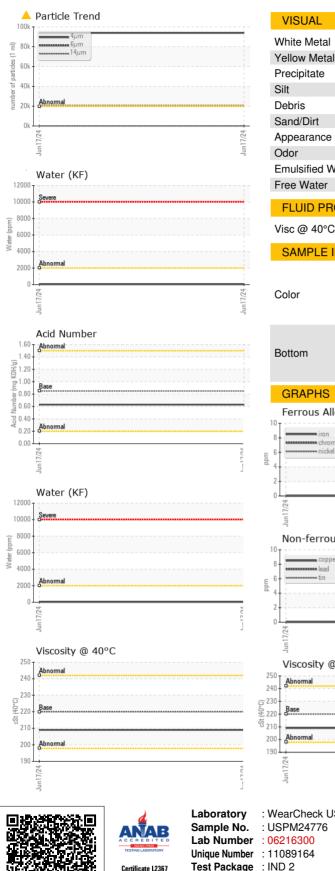
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

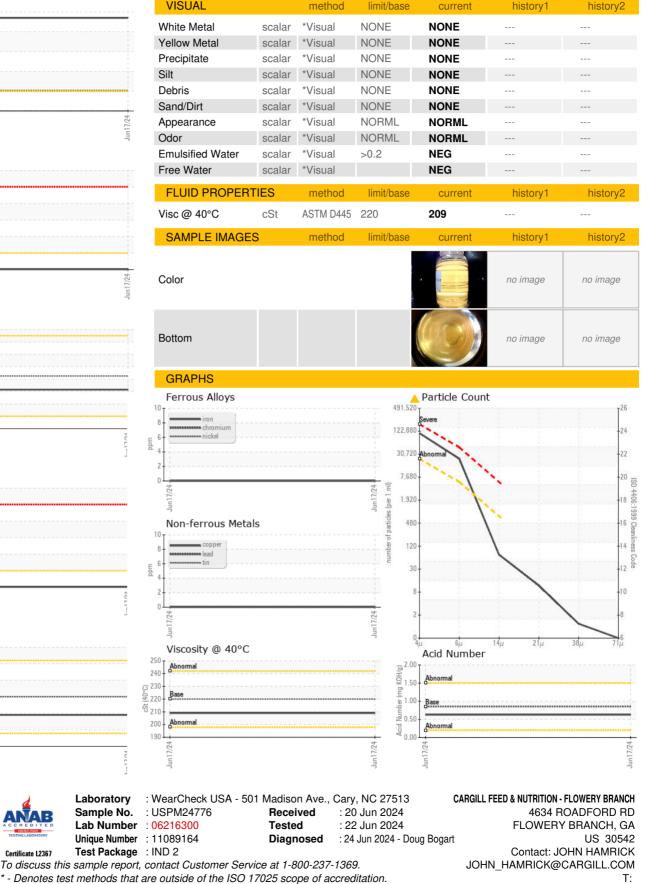
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM24776		
Sample Date		Client Info		17 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	0		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm		>200	0		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m	200	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	0		
Barium	ppm	ASTM D5185m	15	0		
Molybdenum	ppm	ASTM D5185m	15	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	50	<1		
Calcium	ppm	ASTM D5185m	50	18		
Phosphorus	ppm	ASTM D5185m	350	650		
Zinc	ppm	ASTM D5185m	100	12		
Sulfur	ppm	ASTM D5185m	12500	666		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304	>0.2	0.003		
ppm Water	ppm	ASTM D6304	>2000	32		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	4 93920		
Particles >6µm		ASTM D7647	>5000	<u> </u>		
Particles >14µm		ASTM D7647	>640	63		
Particles >21µm		ASTM D7647	>160	10		
Particles >38µm		ASTM D7647	>40	1		
Particles >71µm		ASTM D7647	>10	0		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 24/22/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.63		



OIL ANALYSIS REPORT

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)





Report Id: CARFLOGA [WUSCAR] 06216300 (Generated: 06/24/2024 16:16:13) Rev: 1

Contact/Location: JOHN HAMRICK - CARFLOGA

F: