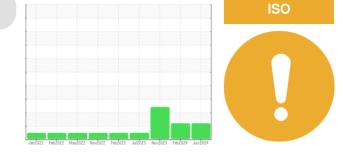


OIL ANALYSIS REPORT

SAMPLE INFORMATION meth

Sample Rating Trend



Machine Id

PELLET MILL Component Gearbox

Fluid USPI FG GEAR 220 (--- GAL)

DIAGNOSIS

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.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37756	USPM30139	USPM27611
Sample Date		Client Info		06 Jun 2024	15 Feb 2024	12 Nov 2023
Machine Age	hrs	Client Info		0	0	3
Oil Age	hrs	Client Info		0	0	3
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	2	0	0
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	<1	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	<1	0
Copper	ppm	ASTM D5185m	>200	<1	<1	0
Tin	ppm	ASTM D5185m	>25	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
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		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		<1	1	0
Calcium	ppm	ASTM D5185m		3	3	<1
Phosphorus	ppm	ASTM D5185m		576	598	563
Zinc	ppm	ASTM D5185m		5	0	0
Sulfur	ppm	ASTM D5185m		615	485	553
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	17	12	7
Sodium	ppm	ASTM D5185m		1	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	2	0
Water	%	ASTM D6304	>0.2	0.003	0.001	0.003
ppm Water	ppm	ASTM D6304	>2000	26	8	25.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	3990	6806	43220
Particles >6µm		ASTM D7647		2161	4821	▲ 13994
Particles >14µm		ASTM D7647	>640	666	1 671	1 778
Particles >21µm		ASTM D7647	>160	<mark> </mark> 217	<u> </u>	<u> </u>
Particles >38µm		ASTM D7647	>40	15	10	4 9
Particles >71µm		ASTM D7647		0	1	4
Oil Cleanliness		ISO 4406 (c)	>21/19/16	e 19/18/17	2 0/19/18	▲ 23/21/18
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.65	0.61	0.58



0.80

0.70 (B/H0)

1000

6000

200

25

240

230

19

ŝ

Water (ppm)

OIL ANALYSIS REPORT

scalar

scalar

scalar

*Visual

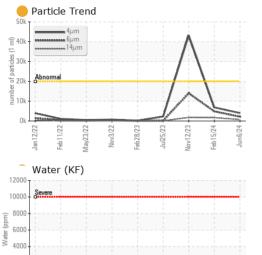
*Visual

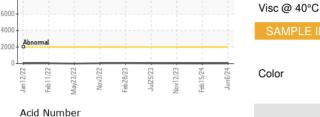
*Visual

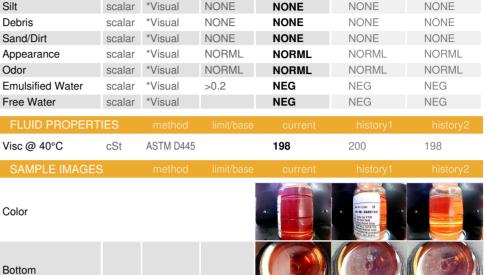
NONE

NONE

NONE







NONE

NONE

NONE

NONE

NONE

NONE

NONE

NONE

NONE

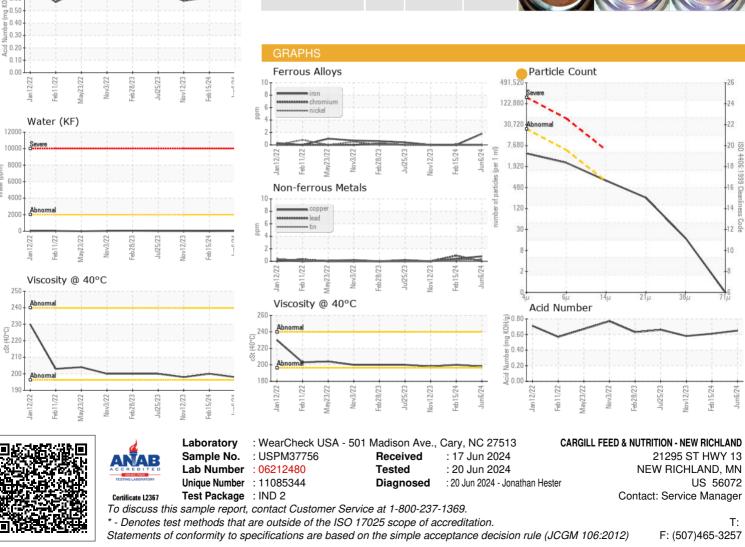
Bottom

White Metal

Yellow Metal

Precipitate

Silt



Report Id: CARNEWMIN [WUSCAR] 06212480 (Generated: 06/23/2024 02:24:24) Rev: 1

Contact/Location: Service Manager - CARNEWMIN