

## **OIL ANALYSIS REPORT**

### Area HOTLINE/120 MILL Machine Id 120 MILL MTR STAND 3B SOUTH BRG 1415-035-0232

South Bearing

Fluid ROYAL PURPLE SYNFILM GT 68 (30 GAL)

#### DIAGNOSIS

#### A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### 🔺 Wear

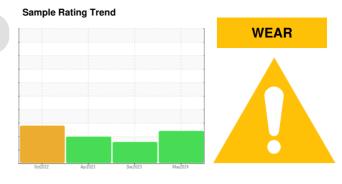
The lead level is abnormal. All other component wear rates are normal.

#### 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.



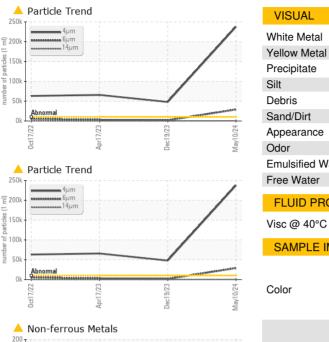
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0004810	KFS0005145	KFS0003473
Sample Date		Client Info		10 May 2024	19 Dec 2023	17 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	l	method	limit/base	current	history1	history2
Water		WC Method	>2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	1	1
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	<1
Lead	ppm	ASTM D5185m	>20	<u> </u>	<b>1</b> 88	<b>1</b> 89
Copper	ppm	ASTM D5185m	>20	3	4	4
Tin	ppm	ASTM D5185m	>20	16	15	19
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	90	79	90	98
Calcium	ppm	ASTM D5185m		3	2	2
Phosphorus	ppm	ASTM D5185m		5	34	2
Zinc	ppm	ASTM D5185m		0	0	2
Sulfur	ppm	ASTM D5185m		20222	18568	22557
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	<1
Sodium	ppm	ASTM D5185m		1	<1	1
Potassium	ppm	ASTM D5185m	>20	2	<1	0
FLUID CLEANLINI	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>A</b> 237572	47914	65827
Particles >6µm		ASTM D7647	>2500	<u> </u>	1737	2980
Particles >14µm		ASTM D7647	>160	<mark> </mark> 216	11	29
Particles >21µm		ASTM D7647	>40	44	1	4
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/14	<u> </u>	🔺 23/18/11	🔺 23/19/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

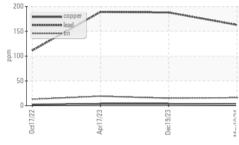
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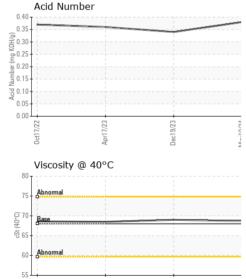


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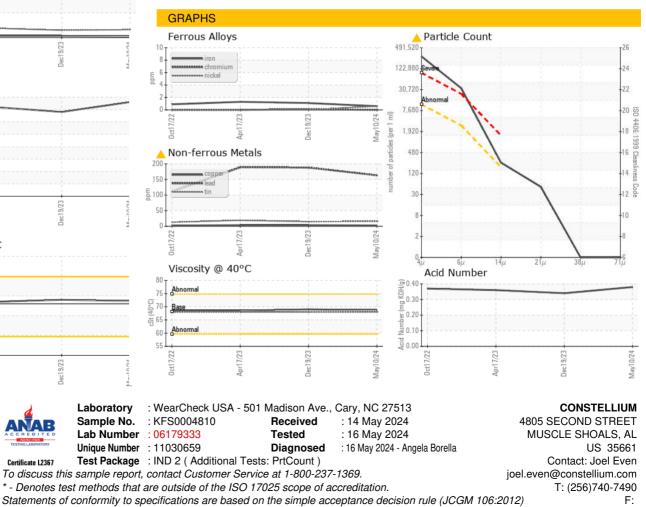




Apr17/23

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	68.7	69.0	68.5
SAMPLE IMAGES m		method	limit/base	current	history1	history2
Color						

Bottom



Report Id: CONMUSAL [WUSCAR] 06179333 (Generated: 05/16/2024 19:03:04) Rev: 1

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