

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

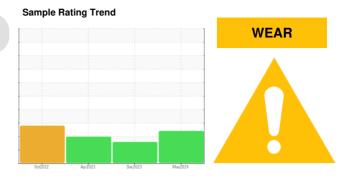
The lead level is abnormal. All other component wear rates are normal.

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.



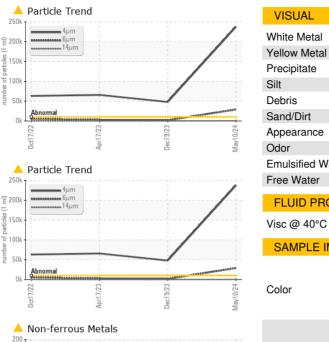
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0004810	KFS0005145	KFS0003473
Sample Date		Client Info		10 May 2024	19 Dec 2023	17 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				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>	1 88	1 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	A 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

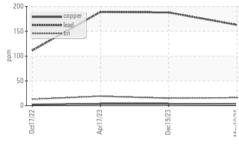
Submitted By: COLD MILL - Josh Edwards Page 1 of 2

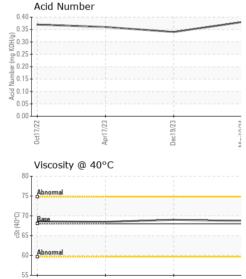


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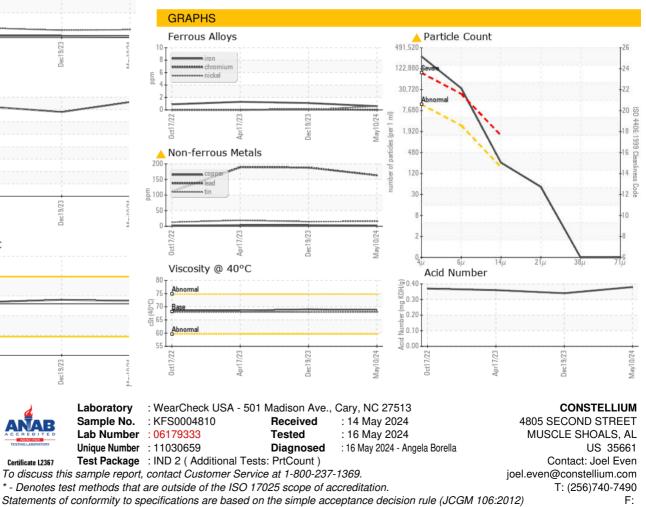




Apr17/23

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



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Page 2 of 2