

# **OIL ANALYSIS REPORT**

# Area HOTLINE/120 MILL 120 MILL MTR STAND 2A NORTH BRG 1415-034-0211

North Bearing

Fluid ROYAL PURPLE SYNFILM GT 68 (30 GAL)

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### 📥 Wear

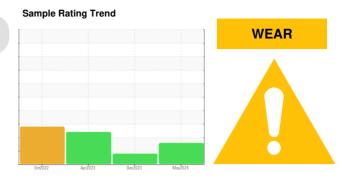
The lead level is abnormal. All other component wear rates are normal.

## Contamination

There is a high amount of 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.



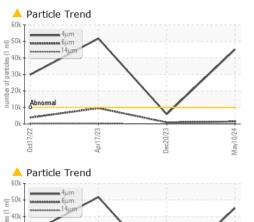
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0004811	KFS0003072	KFS0003399
Sample Date		Client Info		10 May 2024	20 Dec 2023	17 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	١	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	2	4	6
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		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	<1
Lead	ppm	ASTM D5185m	>20	<b>A</b> 38	<b>4</b> 7	<b>4</b> 5
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	2	1	2
Vanadium	ppm	ASTM D5185m		0	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	0	<1
Magnesium	ppm	ASTM D5185m	90	59	78	84
Calcium	ppm	ASTM D5185m		2	2	2
Phosphorus	ppm	ASTM D5185m		7	34	7
Zinc	ppm	ASTM D5185m		10	0	16
Sulfur	ppm	ASTM D5185m		21654	21418	22525
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	<1
Sodium	ppm	ASTM D5185m		1	<1	1
	ppm		00		4	0
Potassium	1010	ASTM D5185m	>20	2	<1	
Potassium FLUID CLEANLIN		method	>20 limit/base	2 current	<1 history1	history2
FLUID CLEANLIN		method	limit/base >10000	current	history1	history2
FLUID CLEANLIN Particles >4µm		method ASTM D7647	limit/base >10000	current	history1 5901	history2 ▲ 51723
FLUID CLEANLIN Particles >4μm Particles >6μm		method ASTM D7647 ASTM D7647	limit/base >10000 >2500 >160	current ▲ 45080 1463	history1 5901 968	history2 ▲ 51723 ▲ 9598
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm		method ASTM D7647 ASTM D7647 ASTM D7647	limit/base >10000 >2500 >160	current ▲ 45080 1463 85	history1 5901 968 92	history2 ▲ 51723 ▲ 9598 ● 226
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >10000 >2500 >160 >40 >10	current ▲ 45080 1463 85 23	history1 5901 968 92 34	history2 ▲ 51723 ▲ 9598 ● 226 36
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm		method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >10000 >2500 >160 >40 >10	current ▲ 45080 1463 85 23 1	history1 5901 968 92 34 4	history2 ▲ 51723 ▲ 9598 ● 226 36 2
FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ESS	method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >10000 >2500 >160 >40 >10 >3	Current ▲ 45080 1463 85 23 1 0	history1 5901 968 92 34 4 1	history2 ▲ 51723 ▲ 9598 ● 226 36 2 0

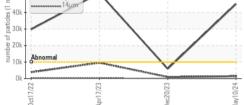
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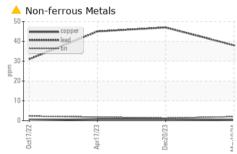
Submitted By: COLD MILL - Josh Edwards Page 1 of 2

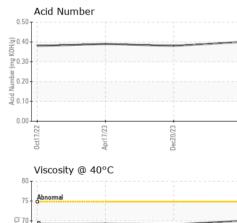


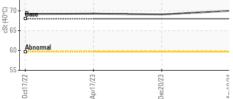
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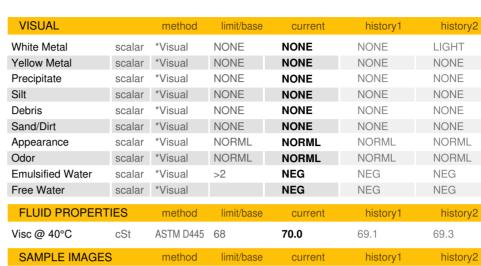








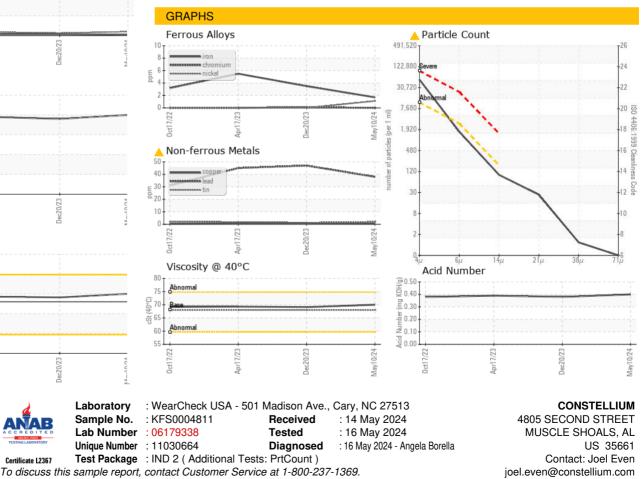




Color



Bottom



\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

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Certificate 12367

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