

# **OIL ANALYSIS REPORT**

# Area COLD MILL/CM-3STD-2N S3 WEST MOTOR BEARING 3ST2\_S3 West Motor Bearing

Bearing

Fluid ROYAL PURPLE SYNFILM GT 68 (50 GAL)

### DIAGNOSIS

#### A Recommendation

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

## Wear

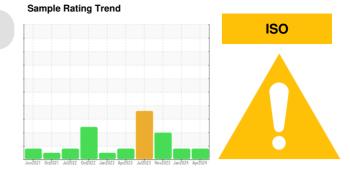
All component wear rates are normal.

#### Contamination

There is a high amount of silt (particulates < 6 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.

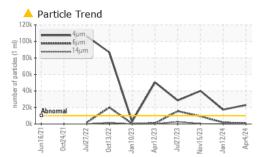


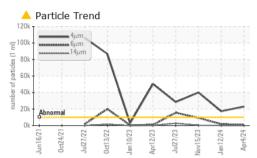
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0005218	KFS0003869	KFS0003648
Sample Date		Client Info		04 Apr 2024	12 Jan 2024	15 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
CONTAMINATION	N	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	0	1
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm		>20	0	0	0
Titanium	ppm	ASTM D5185m	-	ء <1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m		ء <1	0	<1
Tin	ppm		>20	10	3	1
Vanadium	ppm	ASTM D5185m	-	<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	3	2	0
Calcium	ppm	ASTM D5185m		4	1	0
Phosphorus	ppm	ASTM D5185m		99	80	46
Zinc	ppm	ASTM D5185m		<1	0	0
Sulfur	ppm	ASTM D5185m		2715	2333	1953
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	1	2
Sodium	ppm	ASTM D5185m		1	0	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>A</b> 22860	17330	▲ 40095
Particles >6µm		ASTM D7647	>2500	753	1719	<b>A</b> 9306
Particles >14µm		ASTM D7647	>160	15	52	<b>A</b> 365
Particles >21µm		ASTM D7647	>40	4	9	<u>    60</u>
Particles >38µm		ASTM D7647	>10	1	0	2
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/14	<b>A</b> 22/17/11	21/18/13	▲ 23/20/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.36	0.36	0.32

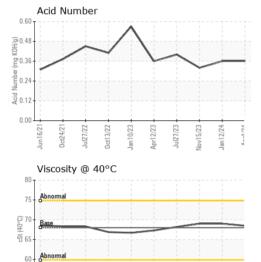
Submitted By: COLD MILL - Josh Edwards Page 1 of 2



# **OIL ANALYSIS REPORT**







0ct13/22

Jan 10/23

Jul27/22

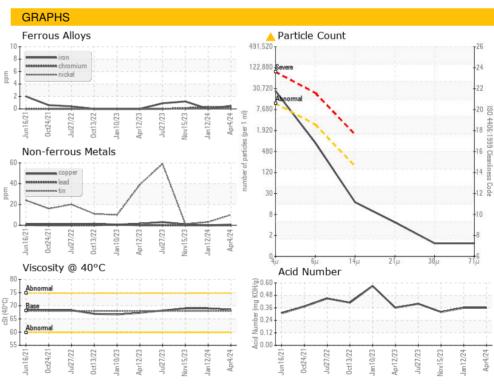
Apr12/23

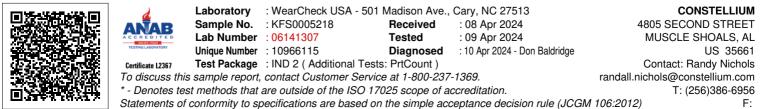
Jul27/23 Jov15/23 Jan 12/24

55

0ct24/21

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	68.5	69.0	69.0
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Oslan						
Color				(Second	•	





Report Id: CONMUSAL [WUSCAR] 06141307 (Generated: 04/10/2024 18:09:10) Rev: 1

Submitted By: COLD MILL - Josh Edwards

Page 2 of 2