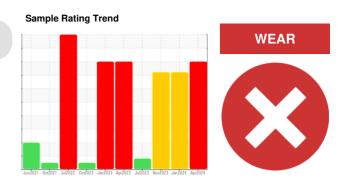


PROBLEM SUMMARY

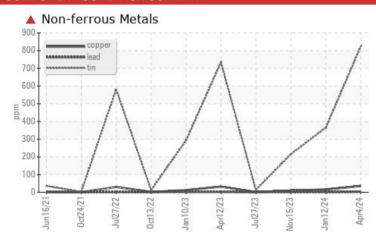
COLD MILL/CM-3STD-2N S1 EAST MOTOR BEARING 3ST2_S1 East Motor Bearing

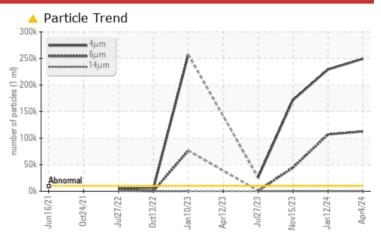
Bearing

ROYAL PURPLE SYNFILM GT 68 (50 GAL)



COMPONENT CONDITION SUMMARY





RECOMMENDATION

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS												
Sample Status				SEVERE	SEVERE	SEVERE						
Copper	ppm	ASTM D5185m	>20	△ 35	16	9						
Tin	ppm	ASTM D5185m	>20	823	1 364	1 215						
Particles >4µm		ASTM D7647	>10000	<u>4</u> 249314	<u>^</u> 229218	▲ 172043						
Particles >6µm		ASTM D7647	>2500	112509	<u> </u> 106891	44523						
Oil Cleanliness		ISO 4406 (c)	>20/18/14	<u> 25/24/12</u>	<u>\$\Delta\$ 25/24/13</u>	<u>△</u> 25/23/13						

Customer Id: CONMUSAL **Sample No.:** KFS0005213 Lab Number: 06141310 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS										
Action	Status	Date	Done By	Description						
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.						
Change Filter			?	We recommend you service the filters on this component if applicable.						
Resample			?	We recommend an early resample to monitor this condition.						

HISTORICAL DIAGNOSIS

12 Jan 2024 Diag: Don Baldridge

WEAR

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR



15 Nov 2023 Diag: Don Baldridge We recommend you service the filte

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



ISO



27 Jul 2023 Diag: Jonathan Hester

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 6 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



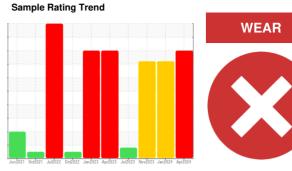


OIL ANALYSIS REPORT

COLD MILL/CM-3STD-2N S1 EAST MOTOR BEARING 3ST2_S1 East Motor Bearing

Bearing

ROYAL PURPLE SYNFILM GT 68 (50 GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Bearing and/or bushing wear is indicated.

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 acceptable for the time in service.

SAMPLE INFORMATION method limitobase current history1 history2 Sample Number Client Info KFS0003613 KFS0003650 KFS0003630 KFS0003643 Sample Date Client Info 0 04 Apr 2024 12 Jan 2024 15 Nov 2023 Oil Age hrs Client Info 0 0 0 Oil Age hrs Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A Sample Status SEVERE SEVERE SEVERE CONTAMINATION method limit/base current history1 history2 Water WC Method 2 NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05185n >20 2 <1 <1 Chromium ppm ASTM 05185n >20 <1 <1 <1 Iron									
Sample Date Client Info 04 Apr 2024 12 Jan 2024 15 Nov 2023 Machine Age hrs Client Info 0 0 0 0 Oil Age hrs Client Info 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A N/A CONTAMINATION method limit/base current history1 history2 Water WC Method 2 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05185m >20 2 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Machine Age hrs Client Info 0 0 0 0 Oil Olage hrs Client Info 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status SEVERE SEVERE SEVERE SEVERE CONTAMINATION 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 1 <1	Sample Number	ole Number			KFS0005213	KFS0003650	KFS0003643		
Oil Age Oil Changed hrs Client Info N/A PATHO5185T 20 2 NEG NEG NEG NEG NEG Weater WEATM D5185m >20 2 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	Sample Date		Client Info		04 Apr 2024	12 Jan 2024	15 Nov 2023		
Oil Changed Sample Status Client Info N/A N/A N/A N/A N/A SEVERE	Machine Age	hrs	Client Info		0	0	0		
Sample Status SEVERE SEVERE SEVERE CONTAMINATION 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 1 <1	Oil Age	hrs	Client Info		0	0	0		
CONTAMINATION 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 <1 <1 <1 Chromium ppm ASTM D5185m >20 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>Oil Changed</td> <td></td> <td>Client Info</td> <td></td> <th>N/A</th> <td>N/A</td> <td>N/A</td>	Oil Changed		Client Info		N/A	N/A	N/A		
Water WC Method >2 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >20 2 <1	Sample Status	Sample Status			SEVERE	SEVERE	SEVERE		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >20 2 <1 <1 Nickel ppm ASTM D5185m >20 <1 0 0 Nickel ppm ASTM D5185m >20 <1 0 0 Silver ppm ASTM D5185m >0 0 0 0 Aluminum ppm ASTM D5185m >20 2 2 <1 Lead ppm ASTM D5185m >20 35 16 9 Tin ppm ASTM D5185m >20 35 16 9 Tin ppm ASTM D5185m >20 35 16 9 Tin ppm ASTM D5185m >20 34 364 215 Vanadium ppm ASTM D5185m >20 3 1 <1 0 <1 0 <1 0 <1 0 <1	CONTAMINATIO	N	method	limit/base	current	history1	history2		
Iron	Water	Water		>2	NEG	NEG	NEG		
Chromium ppm ASTM D5185m >20 <1	WEAR METALS		method	limit/base	current	history1	history2		
Nickel	Iron	ppm	ASTM D5185m	>20	2	<1	<1		
Titanium ppm ASTM D5185m <1	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1		
Silver	Nickel	ppm	ASTM D5185m	>20	<1	0	0		
Aluminum ppm ASTM D5185m >20 2 2 <1	Titanium	ppm	ASTM D5185m		<1	0	<1		
Lead ppm ASTM D5185m >20 3 <1 <1 Copper ppm ASTM D5185m >20 ▲ 355 16 9 Tin ppm ASTM D5185m >20 ▲ 823 ▲ 364 ▲ 215 Vanadium ppm ASTM D5185m <1 0 <1 Cadmium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m <1 0 0 Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 Mangaesium ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 Calcium ppm ASTM D5185m 0 0 0 Sulfur ppm ASTM D5185m 0 0 0 <td>Silver</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td>0</td>	Silver	ppm	ASTM D5185m		0	0	0		
Copper ppm ASTM D5185m >20 Δ 35 16 9 Tin ppm ASTM D5185m >20 Δ 823 Δ 364 Δ 215 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 0 0 0 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m 0 0 <1 Magnesium ppm ASTM D5185m 0 0 <1 0 Calcium ppm ASTM D5185m 11 0 0 0 Phosphorus ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m	Aluminum	ppm	ASTM D5185m	>20	2	2	<1		
Tin ppm ASTM D5185m >20 ▲ 823 ▲ 364 ▲ 215 Vanadium ppm ASTM D5185m <1	Lead	ppm	ASTM D5185m	>20	3	<1	<1		
Vanadium ppm ASTM D5185m <1	Copper	ppm	ASTM D5185m	>20	△ 35	16	9		
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 <1 Magnesium ppm ASTM D5185m 90 114 80 28 Calcium ppm ASTM D5185m 6 2 0 Phosphorus ppm ASTM D5185m 11 0 0 Zinc ppm ASTM D5185m 0 0 0 Sulfur ppm ASTM D5185m 11 0 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 5 2 3 Sodium ppm ASTM D5185m >20 1	Tin	ppm	ASTM D5185m	>20	823	364	1 215		
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 Magnese ppm ASTM D5185m 0 0 <1 Magnesium ppm ASTM D5185m 90 114 80 28 Calcium ppm ASTM D5185m 6 2 0 0 Phosphorus ppm ASTM D5185m 11 0 0 0 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 28248 19636 17279 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 3 0 2 Sodium ppm ASTM D5185m	Vanadium	ppm	ASTM D5185m		<1	0	<1		
Boron ppm ASTM D5185m <1	Cadmium	ppm	ASTM D5185m		0	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 90 114 80 28 Calcium ppm ASTM D5185m 6 2 0 Phosphorus ppm ASTM D5185m 11 0 0 Zinc ppm ASTM D5185m 0 0 0 Sulfur ppm ASTM D5185m 28248 19636 17279 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 5 2 3 Sodium ppm ASTM D5185m >20 1 <1 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm <	ADDITIVES		method	limit/base	current	history1	history2		
Molybdenum ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 0 0 <1	Boron	ppm	ASTM D5185m		<1	0	0		
Manganese ppm ASTM D5185m 0 0 <1	Barium	ppm	ASTM D5185m		0	0	0		
Magnesium ppm ASTM D5185m 90 114 80 28 Calcium ppm ASTM D5185m 6 2 0 Phosphorus ppm ASTM D5185m 11 0 0 Zinc ppm ASTM D5185m 0 0 0 Sulfur ppm ASTM D5185m 28248 19636 17279 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 5 2 3 Sodium ppm ASTM D5185m >20 1 <1 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >10000 249314 229218 172043 Particles >6μm ASTM D7647 >2500 112509 106891 44523 Particles >21μm ASTM D7647 >40 6 6 12	Molybdenum	ppm	ASTM D5185m		0	0	0		
Calcium ppm ASTM D5185m 6 2 0 Phosphorus ppm ASTM D5185m 11 0 0 Zinc ppm ASTM D5185m 0 0 0 Sulfur ppm ASTM D5185m 28248 19636 17279 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 5 2 3 Sodium ppm ASTM D5185m 3 0 2 Potassium ppm ASTM D5185m >20 1 <1 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 249314 ≥229218 172043 Particles >6µm ASTM D7647 >160 27 51 56 Particles >21µm ASTM D7647 >40 6 6 12 Particles >71µm	Manganese	ppm	ASTM D5185m		0	0	<1		
Phosphorus ppm ASTM D5185m 11 0 0 Zinc ppm ASTM D5185m 0 0 0 Sulfur ppm ASTM D5185m 28248 19636 17279 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 5 2 3 Sodium ppm ASTM D5185m 3 0 2 Potassium ppm ASTM D5185m >20 1 <1 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >10000 249314 229218 172043 Particles >6μm ASTM D7647 >2500 112509 106891 44523 Particles >14μm ASTM D7647 >160 27 51 56 Particles >21μm ASTM D7647 >40 6 6 12 Particles >71μm </th <td>Magnesium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>90</td> <th>114</th> <td>80</td> <td>28</td>	Magnesium	ppm	ASTM D5185m	90	114	80	28		
Zinc ppm ASTM D5185m 0 0 0 Sulfur ppm ASTM D5185m 28248 19636 17279 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 5 2 3 Sodium ppm ASTM D5185m 3 0 2 Potassium ppm ASTM D5185m >20 1 <1 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >10000 249314 229218 172043 Particles >6μm ASTM D7647 >2500 112509 106891 44523 Particles >14μm ASTM D7647 >160 27 51 56 Particles >21μm ASTM D7647 >40 6 6 12 Particles >71μm ASTM D7647 >3 0 0 0 Oil	Calcium	ppm	ASTM D5185m		6	2	0		
Sulfur ppm ASTM D5185m 28248 19636 17279 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 5 2 3 Sodium ppm ASTM D5185m 3 0 2 Potassium ppm ASTM D5185m >20 1 <1 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >10000 249314 △ 229218 △ 172043 Particles >6μm ASTM D7647 >2500 △ 112509 △ 106891 △ 44523 Particles >14μm ASTM D7647 >160 27 51 56 Particles >21μm ASTM D7647 >40 6 6 12 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/14 △ 25/24/12 △ 25/24/13 △ 25/23	Phosphorus	ppm	ASTM D5185m		11	0	0		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 5 2 3 Sodium ppm ASTM D5185m >20 1 <1 1 Potassium ppm ASTM D5185m >20 1 <1 1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >10000 249314 ≥29218 172043 Particles >6μm ASTM D7647 >2500 112509 106891 44523 Particles >14μm ASTM D7647 >160 27 51 56 Particles >21μm ASTM D7647 >40 6 6 12 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/14 25/24/12 25/24/13 25/23/13	Zinc	ppm	ASTM D5185m		0	0	0		
Silicon ppm ASTM D5185m >15 5 2 3 Sodium ppm ASTM D5185m 3 0 2 Potassium ppm ASTM D5185m >20 1 <1	Sulfur	ppm	ASTM D5185m		28248	19636	17279		
Sodium ppm ASTM D5185m 3 0 2 Potassium ppm ASTM D5185m >20 1 <1	CONTAMINANTS	;	method	limit/base	current	history1	history2		
Potassium ppm ASTM D5185m >20 1 <1	Silicon	ppm	ASTM D5185m	>15	5	2	3		
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >10000 ▲ 249314 ▲ 229218 ▲ 172043 Particles >6μm ASTM D7647 >2500 ▲ 112509 ▲ 106891 ▲ 44523 Particles >14μm ASTM D7647 >160 27 51 56 Particles >21μm ASTM D7647 >40 6 6 12 Particles >38μm ASTM D7647 >10 1 0 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/14 ▲ 25/24/12 ▲ 25/24/13 ▲ 25/23/13	Sodium	ppm	ASTM D5185m		3	0	2		
Particles >4μm ASTM D7647 >10000 249314 Δ 229218 Δ 172043 Particles >6μm ASTM D7647 >2500 Δ 112509 Δ 106891 Δ 44523 Particles >14μm ASTM D7647 >160 27 51 56 Particles >21μm ASTM D7647 >40 6 6 12 Particles >38μm ASTM D7647 >10 1 0 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/14 Δ 25/24/12 Δ 25/24/13 Δ 25/23/13	Potassium	ppm	ASTM D5185m	>20	1	<1	1		
Particles >6μm ASTM D7647 >2500 112509 106891 44523 Particles >14μm ASTM D7647 >160 27 51 56 Particles >21μm ASTM D7647 >40 6 6 12 Particles >38μm ASTM D7647 >10 1 0 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/14 25/24/12 25/24/13 25/23/13	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2		
Particles >14μm ASTM D7647 >160 27 51 56 Particles >21μm ASTM D7647 >40 6 6 12 Particles >38μm ASTM D7647 >10 1 0 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/14 25/24/12 25/24/13 25/23/13	Particles >4µm		ASTM D7647	>10000	<u>4</u> 249314	<u>^</u> 229218	▲ 172043		
Particles >21μm ASTM D7647 >40 6 6 12 Particles >38μm ASTM D7647 >10 1 0 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/14 25/24/12 25/24/13 25/23/13	Particles >6µm		ASTM D7647	>2500	<u> </u>	<u>▲</u> 106891	▲ 44523		
Particles >38μm ASTM D7647 >10 1 0 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/14 25/24/12 25/24/13 25/23/13	Particles >14µm		ASTM D7647	>160	27				
Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/14 Δ 25/24/12 Δ 25/24/13 Δ 25/23/13	Particles >21µm			>40	6	6	12		
Oil Cleanliness ISO 4406 (c) >20/18/14 25/24/12 2 5/24/13 2 5/23/13							1		
	Particles >71µm		ASTM D7647	>3	0		0		
FLUID DEGRADATION method limit/base current history1 history2	Oil Cleanliness		ISO 4406 (c)	>20/18/14	<u>\$\text{\scale}\$ 25/24/12</u>	<u>\$\infty\$ 25/24/13</u>	<u>△</u> 25/23/13		
	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2		

Acid Number (AN)

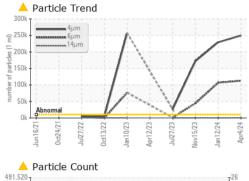
mg KOH/g ASTM D8045

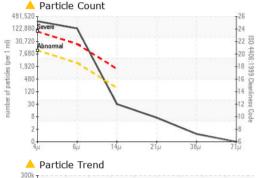
0.31

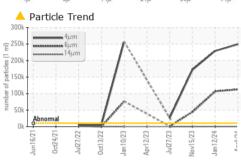
Submitted By: COLD MILL - Josh Edwards

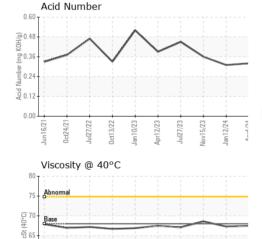


OIL ANALYSIS REPORT











60

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 DDODEDT	IEC.	ام مالم مدر	11.0014/10.000		la i a t a un ed	history.O
FLUID PROPERT	IEO	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	67.5	67.3	68.6
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						

	GRAPH	s _																	
	Ferrous		·							▲ Paı	rticle	Cou	nt						
10	iro	on							491,52	-									-26
udd 4	ensusananan C								122,88	Severe		1							-24
2									30,72	Abnor	rmal	1							-22
0		722	23	23	73	23	24		₹ 7,68			1.							-20 [S
	Jun16/21 Oct24/21	Jul27/22 Oct13/22	Jan 10/23	Apr12/23	Jul27/23	Nov15/23	Jan12/24	Apr4/24	1,92	20-		1	N						18 18
<u> </u>	Non-ferr	ous Me							number of particles (per 1 ml)	30-			1						ISO 4406:1999 Cleanliness Code
1000 800		opper						/	12 12	20-			1						nliness
E 600		ad n		\wedge				/-	H .	30-			1					-	12 e
200	/		and the same of th				and the same of th			8-					\				-10
0	Jun16/21	Jul27/22	Jan 10/23	Apr12/23	Jul27/23	5/23	Jan12/24	Apr4/24		2-						/			-8
	,			Apri	Jul	Nov15/23	Jan1	Apr		04,1			14μ		21μ		38µ	_	6
80	Viscosity	@ 40°	С							Δci	id Nu	ர் imbe	r		LIµ		συμ		μ
75	Abnormal		<u> </u>				-	-	S 0.4	18		^		^					
(3°C) 10°C)	- Base								(mg	36-	_		\checkmark		-		_	_	_
60 80									Acid Number (mg KOH/g)	12									
55	721-	22	23	-23	23	73	24	24	0.0 Acid	10 	/21	22	22	23	23	- 23	-23	- 42	24
	Jun16/21 Oct24/21	Jul27/22 Oct13/22	Jan10/23	Apr12/23	Jul27/23	Nov15/23	Jan 12/24	Apr4/24		Jun16/21	0ct24/21	Jul27/22	0ct13/22	Jan10/23	Apr12/23	Jul27/23	Nov15/23	Jan 12/24	Apr4/24 -

Laboratory

Sample No.

: KFS0005213 Lab Number : 06141310 Unique Number : 10966118

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Bottom

Received **Tested**

: 08 Apr 2024 Diagnosed Test Package : IND 2 (Additional Tests: PrtCount)

: 15 Apr 2024 : 15 Apr 2024 - Jonathan Hester

Contact: Randy Nichols randall.nichols@constellium.com

* - 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)

Submitted By: COLD MILL - Josh Edwards

US 35661

CONSTELLIUM 4805 SECOND STREET

T: (256)386-6956

MUSCLE SHOALS, AL