

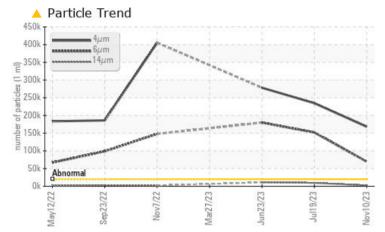
PROBLEM SUMMARY

Area HOTLINE/120 MILL Machine Id 120 SCREWDOWN LUBE RESV 1415-014-0160 Component

Gearbox

Fluid CITGO COMPOUND EP 320 (3000 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

THOBELMINTIO TEOT	LOOLIO				
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>20000	🔺 168165	2 34626	2 78340
Particles >6µm	ASTM D7647	>5000	🔺 69647	🔺 151999	179872
Particles >14µm	ASTM D7647	>640	<u> </u>	4 9491	1 0883
Particles >21µm	ASTM D7647	>160	<u> </u>	9 64	🔺 1124
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<u> </u>	▲ 25/24/20	▲ 25/25/21

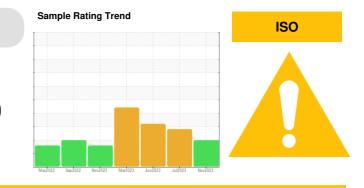
Customer Id: CONMUSAL Sample No.: KFS0004923 Lab Number: 06007665 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

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



RECOMMENDE	O ACTIONS			
Action	Status	Date	Done By	Description
Change Filter			?	We advise that you per improve the cleanliness
Filter Fluid			?	We advise that you per improve the cleanliness

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS



19 Jul 2023 Diag: Angela Borella

Check seals and/or filters for points of contaminant entry. We advise that you perform a filter service, and use offline filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



view report

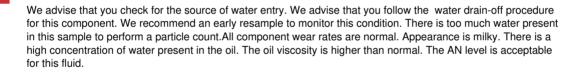
23 Jun 2023 Diag: Angela Borella



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

27 Mar 2023 Diag: Don Baldridge













OIL ANALYSIS REPORT

Area HOTLINE/120 MILL Machine Id 120 SCREWDOWN LUBE RESV 1415-014-0160 Component

Gearbox

Fluid CITGO COMPOUND EP 320 (3000 GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor.

Wear

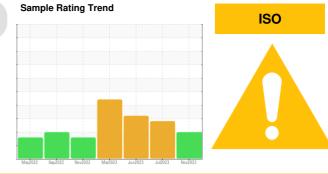
All component wear rates are normal.

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 acceptable for the time in service.

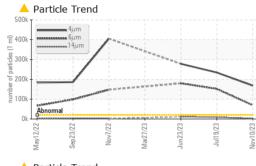


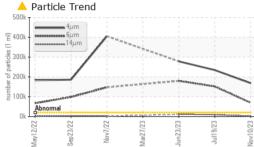
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0004923	KFS0003799	KFS0003861
Sample Date		Client Info		10 Nov 2023	19 Jul 2023	23 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	12	41	50
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	7	A 30	A 37
Lead	ppm	ASTM D5185m	>100	3	2	2
Copper	ppm	ASTM D5185m	>200	<1	7	8
Tin	ppm	ASTM D5185m	>25	0	<1	<1
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		<1	31	37
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m		3	6	4
Calcium	ppm	ASTM D5185m		33	598	707
Phosphorus	ppm	ASTM D5185m		129	108	111
Zinc	ppm	ASTM D5185m		12	4	0
Sulfur	ppm	ASTM D5185m		5288	4887	7204
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	2	<1
Sodium	ppm	ASTM D5185m		1	6	6
Potassium	ppm	ASTM D5185m	>20	2	3	4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	🔺 168165	🔺 234626	2 78340
Particles >6µm		ASTM D7647	>5000	<u> </u>	1 51999	▲ 179872
Particles >14µm		ASTM D7647	>640	4 2371	4 9491	10883
Particles >21µm		ASTM D7647	>160	<u> </u>	9 64	1 124
Particles >38µm		ASTM D7647	>40	4	8	4
Particles >71µm		ASTM D7647	>10	0	2	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	4 25/23/18	▲ 25/24/20	▲ 25/25/21
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.31	0.27	0.27
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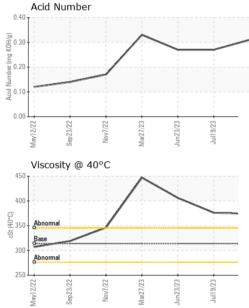
Submitted By: Kenneth Humphries



OIL ANALYSIS REPORT

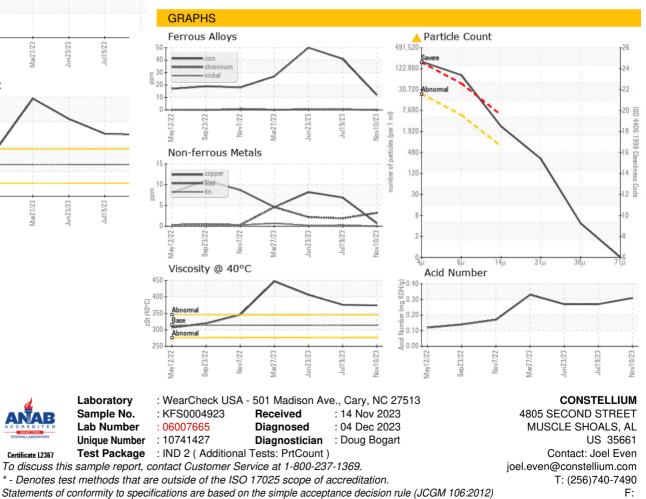






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	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	314	374	376	4 06
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				a.		
				100	1 and 1	11000

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Submitted By: Kenneth Humphries

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