

PROBLEM SUMMARY

Area FINISHING/1255 Machine Id 1255-003-0100 - UNWIND 1 1255-003-0100 - UNWIND 1 Component

Drive End Gearbox

CITGO COMPOUND EP 320 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

ISO

PROBLEMATIC TEST RESULTS							
Sample Status			ABNORMAL	ABNORMAL	SEVERE		
Particles >4µm	ASTM D7647	>20000	<u> </u>	▲ 160903	196704		
Particles >6µm	ASTM D7647	>5000	🔺 57743	▲ 83568	87798		
Particles >14µm	ASTM D7647	>640	<u> </u>	4 482	1 690		
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<u> </u>	🔺 25/24/19	• 25/24/18		

Customer Id: CONMUSAL Sample No.: KFS0003843 Lab Number: 05899868 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@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	
Change Filter			?	We recommend you service the filters on this component if applicable.	

HISTORICAL DIAGNOSIS



19 Jun 2023 Diag: Doug Bogart

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.All 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.





21 Oct 2022 Diag: Wes Davis

19 Aug 2022 Diag: Don Baldridge

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. Particles >6µm are severely high. Particles >4µm are severely high. Oil Cleanliness are severely high. Particles >14µm are abnormally high. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



VISCOSITY



We recommend you service the filters on this component if applicable. Resample at the next service interval to

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





OIL ANALYSIS REPORT

Area FINISHING/1255 Machine Id 1255-003-0100 - UNWIND 1 1255-003-0100 - UNWIND 1 Component

Drive End Gearbox

Fluid CITGO COMPOUND EP 320 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. 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 oil viscosity is lower than normal. The AN level is acceptable for this fluid.



SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0003843	KFS0002107	KFS0002243
Sample Date		Client Info		14 Jul 2023	19 Jun 2023	21 Oct 2022
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	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	51	27	36
Chromium	ppm	ASTM D5185m	>15	0	<1	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>200	0	<1	0
Tin	ppm	ASTM D5185m	>25	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		55	57	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		3	1	1
Phosphorus	ppm	ASTM D5185m		265	231	88
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		8425	8078	7259
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	17	<1
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	4	1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<u> 220798</u>	1 60903	• 196704
Particles >6µm		ASTM D7647	>5000	<u> </u>	▲ 83568	87798
Particles >14µm		ASTM D7647	>640	<u> </u>	4 482	1 690
Particles >21µm		ASTM D7647	>160	148	A 846	199
Particles >38µm		ASTM D7647	>40	6	34	1
Particles >71µm		ASTM D7647	>10	1	2	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 25/23/17	▲ 25/24/19	• 25/24/18
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.39	0.39	0.14



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	VLITE
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	LIGHT	LIGHT	VLITE
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	311	309	274
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						



Bottom



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

Submitted By: Kenneth Humphries

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