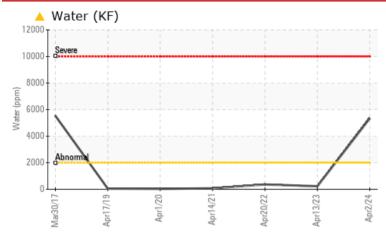


Sample Rating Trend



Machine Id AUTOCANE 1A Component Gearbox Fluid CHEVRON MEROPA 220 (10 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

PROBLEMATIC ⁻	FEST RE	SULTS				
Sample Status				SEVERE	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.2	0.534	0.022	0.036
ppm Water	ppm	ASTM D6304	>2000	6 5340	227.0	362.5
Silt	scalar	*Visual	NONE	🔺 MODER	NONE	NONE
Emulsified Water	scalar	*Visual	>0.2	6.2%	NEG	NEG
Free Water	scalar	*Visual		2.0	NEG	NEG

Customer Id: HYDBELFL Sample No.: ST43739 Lab Number: 06143041 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 jhester@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			
Water Drain-off			?	We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid.			
Resample			?	We recommend an early resample to monitor this condition.			
Contact Required			?	Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.			
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.			
Check Water Access			?	We advise that you check for the source of water entry.			

HISTORICAL DIAGNOSIS



13 Apr 2023 Diag: Jonathan Hester

We recommend you service the filters on this component. Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue. Please note that this is a corrected copy for diagnostic comment updates.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 suitable for further service.





20 Apr 2022 Diag: Don Baldridge

We recommend you service the filters on this component. Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.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 suitable for further service.





14 Apr 2021 Diag: Doug Bogart

We recommend you service the filters on this component. Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.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 suitable for further service.





OIL ANALYSIS REPORT



Machine Id

Automation Component Gearbox Fluid CHEVRON MEROPA 220 (10 GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

Wear

All component wear rates are normal.

Contamination

Appearance is hazy. Free water present. There is a moderate concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

Fluid Condition

The AN level is acceptable for this fluid.

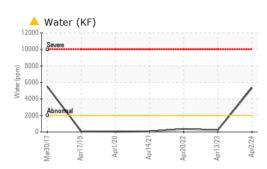
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST43739	ST44633	ST42449
Sample Date		Client Info		02 Apr 2024	13 Apr 2023	20 Apr 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	171	82	102
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m		<1	1	2
Tin	ppm	ASTM D5185m	>25	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	40	0	0	<1
Barium	ppm	ASTM D5185m	40	0	0	0
Molybdenum		ASTM D5185m		۰ <1	<1	<1
Manganese	ppm ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		2	2	1
Calcium	ppm	ASTM D5185m		16	14	15
Phosphorus	ppm	ASTM D5185m	270	182	176	128
Zinc	ppm	ASTM D5185m	210	11	7	6
Sulfur	ppm	ASTM D5185m	8600	9885	7757	3977
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	10	8	8
Sodium	ppm	ASTM D5185m		2	3	2
Potassium	ppm	ASTM D5185m	>20	0	<1	2
Water	%	ASTM D6304	>0.2	<u> </u>	0.022	0.036
ppm Water	ppm	ASTM D6304	>2000	6 5340	227.0	362.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300		134781	1 80082
Particles >6µm		ASTM D7647	>320		<u> </u>	<u> </u>
Particles >14µm		ASTM D7647	>80		<u> </u>	<u> </u>
Particles >21µm		ASTM D7647	>20		A 257	1 94
Particles >38µm		ASTM D7647	>4		1 8	3
Particles >71µm		ASTM D7647	>3		1	2
Oil Cleanliness		ISO 4406 (c)	>17/15/13		4 /23/18	▲ 25/23/17
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.64	0.30		

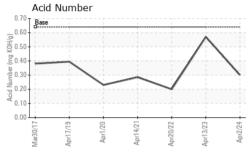
Report Id: HYDBELFL [WUSCAR] 06143041 (Generated: 04/12/2024 13:09:50) Rev: 1

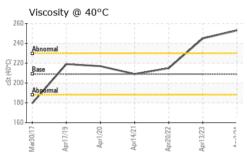
Contact/Location: ROBERT RETALEATO - HYDBELFL



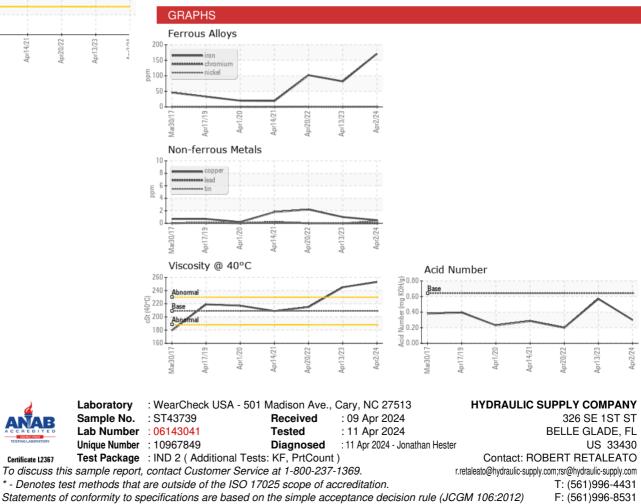
OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	A MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	e HAZY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	6.2%	NEG	NEG
Free Water	scalar	*Visual		2 .0	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
FLUID PROPERT Visc @ 40°C	IES cSt	method ASTM D445	limit/base 209	current 253	history1 245	history2 215
	cSt					
Visc @ 40°C	cSt	ASTM D445	209	253	245	215



Report Id: HYDBELFL [WUSCAR] 06143041 (Generated: 04/12/2024 13:09:50) Rev: 1

Contact/Location: ROBERT RETALEATO - HYDBELFL

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