

No relevant graphs to display

RECON	IMENDATIO	ON		PROBLEMATIC TEST RESULTS	
			 	Sample Status ARNORMAL SEVERE	ΔΤΤΕΝΙΤΙΟΝ

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

PROBLEMATIC T	EST RE	SULTS				
Sample Status				ABNORMAL	SEVERE	ATTENTION
White Metal	scalar	*Visual	NONE	🔺 MODER	NONE	🔺 MODER

Customer Id: KAIRICVA Sample No.: WC0782201 Lab Number: 06001088 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		
Change Filter			?	We recommend you service the filters on this component if applicable.		
Alert			?	We were unable to perform a particle count due to metal particles present in this sample.		

HISTORICAL DIAGNOSIS



26 Jul 2022 Diag: Wes Davis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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. 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 >14µm are severely high. Particles >6µm are severely high. Oil Cleanliness are severely high. Particles >21µm 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.



13 Oct 2021 Diag: Doug Bogart

VISUAL METAL



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **100 K** Component **Gearbox** Fluid **CHEVRON MEROPA 320 (--- GAL)**

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

A Wear

Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

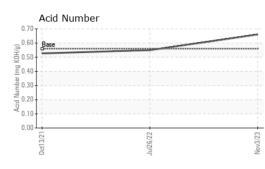
Fluid Condition

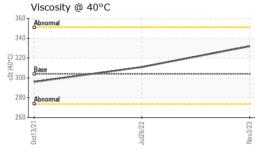
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0782201	WC0690911	WC0587089
Sample Date		Client Info		03 Nov 2023	26 Jul 2022	13 Oct 2021
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	SEVERE	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	75	58	62
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	2	4
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	17	7	8
Lead	ppm	ASTM D5185m	>100	3	8	12
Copper	ppm	ASTM D5185m	>200	4	2	2
Tin	ppm	ASTM D5185m	>25	0	<1	<1
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	20	8	2	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	2	1
Calcium	ppm	ASTM D5185m	25	20	13	20
Phosphorus	ppm	ASTM D5185m	235	213	169	236
Zinc	ppm	ASTM D5185m		7	1	13
Sulfur	ppm	ASTM D5185m		12721	5255	5358
CONTAMINANTS		method	limit/base	current	history1	history2
O ¹¹¹				Current	motory	,
Silicon	ppm	ASTM D5185m		5	6	6
Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m				
		ASTM D5185m		5	6	6
Sodium	ppm	ASTM D5185m	>50	5 8	6 <1	6 2
Sodium Potassium INFRA-RED	ppm	ASTM D5185m ASTM D5185m	>50 >20	5 8 <1	6 <1 0	6 2 <1
Sodium Potassium INFRA-RED Soot %	ppm ppm	ASTM D5185m ASTM D5185m method	>50 >20	5 8 <1 current	6 <1 0 history1	6 2 <1 history2
Sodium Potassium INFRA-RED Soot %	ppm ppm %	ASTM D5185m ASTM D5185m method *ASTM D7844	>50 >20	5 8 <1 current 0.1	6 <1 0 <u>history1</u> 0.1	6 2 <1 history2 0.1
Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624	>50 >20	5 8 <1 <u>current</u> 0.1 3.2	6 <1 0 history1 0.1 3.5	6 2 <1 history2 0.1 3.2
Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>50 >20 limit/base	5 8 <1 <u>current</u> 0.1 3.2 13.5	6 <1 0 history1 0.1 3.5 13.2	6 2 <1 <u>history2</u> 0.1 3.2 12.6

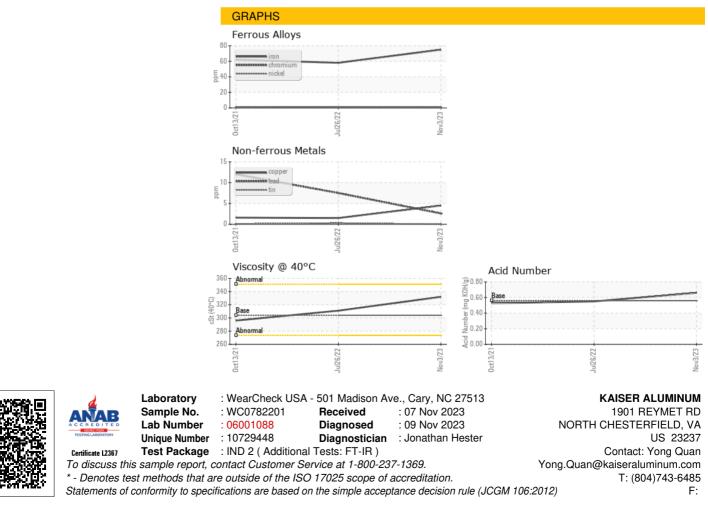


OIL ANALYSIS REPORT





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	🔺 MODER	NONE	🔺 MODER
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	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	🔺 HAZY
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	TIES	method	limit/base	current	history1	history2
FLUID PROPERT Visc @ 40°C	CIES cSt	method ASTM D445	limit/base 304	current 332	history1 311	history2 296
	cSt					
Visc @ 40°C	cSt	ASTM D445	304	332	311	296



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