

Area PRESS Machine Id 0809SB01

Component Rear Gearbox Fluid

🔺 Water

Severe

1.2

1.0

, water

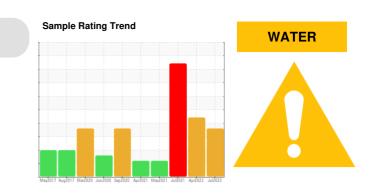
^{2°}0.5

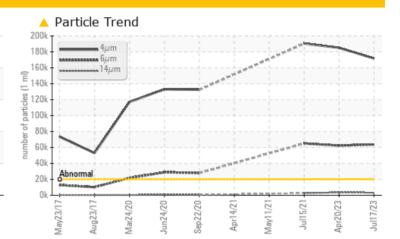
0.2

0.0

KLUBER Klübersynth GH 6 ISO 320 (--- LTR)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

Abnormal

We advise that you check for the source of water entry. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Jul17/23

THOBELMAND TEST HEODERS							
Sample Status				ABNORMAL	SEVERE	SEVERE	
Water	%	ASTM D6304	>0.2	<u> </u>			
ppm Water	ppm	ASTM D6304	>2000	6 41.1			
Particles >4µm		ASTM D7647	>20000	<u> </u>	185107	190491	
Particles >6µm		ASTM D7647	>5000	63797	62276	65016	
Particles >14µm		ASTM D7647	>640	<u> </u>	3 578	2694	
Particles >21µm		ASTM D7647	>160	621	▲ 778	485	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u> </u>	• 25/23/19	25/23/19	

Customer Id: FLAMONNC Sample No.: WC0668047 Lab Number: 05930871 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component.		
Resample			?	We recommend an early resample to monitor this condition.		
Check Water Access			?	We advise that you check for the source of water entry.		

HISTORICAL DIAGNOSIS



ISO

20 Apr 2023 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. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The system cleanliness code is much higher than the acceptable limit for the target ISO 4406 cleanliness code. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



view report

15 Jul 2021 Diag: Doug Bogart

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is at the top-end of the recommended limit.

11 May 2021 Diag: Don Baldridge

VISUAL METAL



No corrective action is recommended at this time. The oil change at the time of sampling has been noted. 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.

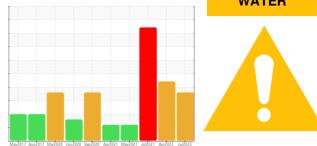




OIL ANALYSIS REPORT

Sample Rating Trend





Rear Gearbox Fluid KLUBER Klübersynth GH 6 ISO 320 (--- LTR)

DIAGNOSIS

Area PRESS

Component

0809SB01

Recommendation

We advise that you check for the source of water entry. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil. There is a moderate concentration of water present in the oil.

Fluid Condition

The AN level is at the top-end of the recommended limit.

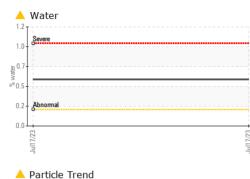
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0668047	WC0730479	WC0541860
Sample Date		Client Info		17 Jul 2023	20 Apr 2023	15 Jul 2021
Machine Age	hrs	Client Info		0	0	80000
Oil Age	hrs	Client Info		0	0	8000
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		50		
Iron	ppm	ASTM D5185m	>200	20	15	8
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m		0	<1	<1
Titanium	ppm	ASTM D5185m	210	<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	۰ <1	0	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	2	2	<1
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m	>5	<1	<1	0
Cadmium		ASTM D5185m		0	0	0
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8	0	9
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		4	<1	<1
Calcium	ppm	ASTM D5185m		2	<1	2
Phosphorus	ppm	ASTM D5185m	2450	2526	2089	1634
Zinc	ppm	ASTM D5185m		16	18	23
Sulfur	ppm	ASTM D5185m		235	0	0
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	34	38	21
Sodium	ppm	ASTM D5185m		0	3	5
Potassium	ppm	ASTM D5185m	>20	4	0	<1
Water	%	ASTM D6304	>0.2	A 0.564		
ppm Water	ppm	ASTM D6304	>2000	🔺 5641.1		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Dortiolog . 1um		ASTM D7647	>20000	171801	• 185107	• 190491
Particles >4µm						
Particles >6µm		ASTM D7647	>5000	<u> </u>	62276	65016
Particles >6µm		ASTM D7647 ASTM D7647	>5000 >640	▲ 63797 ▲ 3259	 62276 3578 	650162694
Particles >6µm Particles >14µm			>640		3 578	
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647	>640	A 3259	•	2694
Particles >6µm Particles >14µm Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647 ASTM D7647	>640 >160 >40	 3259 621 8 	▲ 3578▲ 778	2694485
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647	>640 >160 >40	▲ 3259 ▲ 621	 ▲ 3578 ▲ 778 21 	 2694 485 8

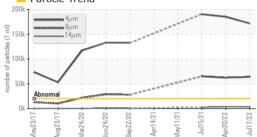


OIL ANALYSIS REPORT

Color

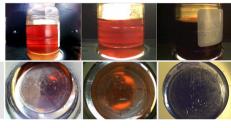
Bottom

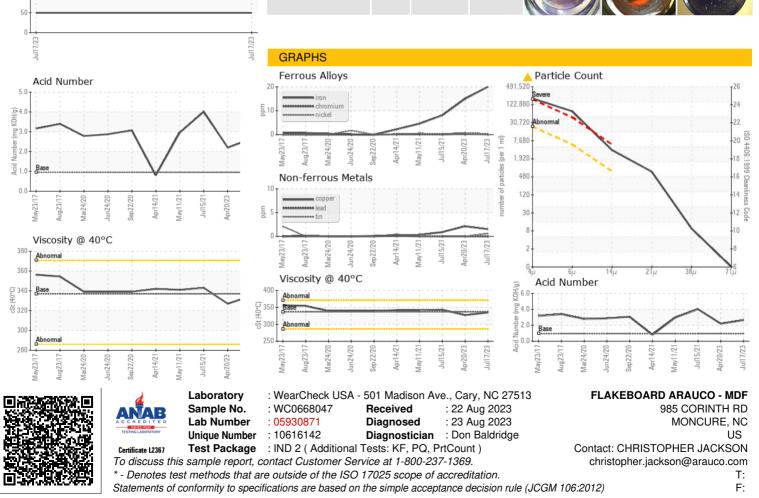






FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.955	2.65	2.20	4 .014
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	336.9	335	327	343
SAMPLE IMAGES		method	limit/base	current	history1	history2





Contact/Location: CHRISTOPHER JACKSON - FLAMONNC