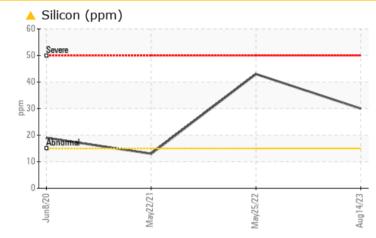


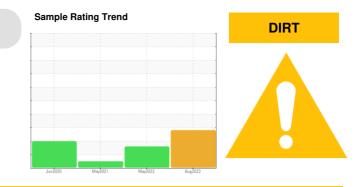


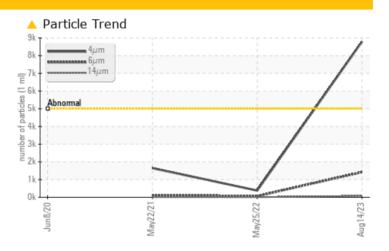
# Area [2871511] Machine Id 77AY05

Component Hydraulic System Fluid KLUBER KLUBEROIL 4 UH1-68 N (--- GAL)

# COMPONENT CONDITION SUMMARY







# RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	NORMAL		
Silicon	ppm	ASTM D5185m	>15	<u> </u>	<b>4</b> 3	13		
Particles >4µm		ASTM D7647	>5000	<b>A</b> 8791	380	1647		
Particles >6µm		ASTM D7647	>1300	<u> </u>	65	122		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 20/18/13	16/13/10	18/14/11		

Customer Id: TALCLA Sample No.: WC0840228 Lab Number: 05928786 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**

There are no recommended actions for this sample.

# **HISTORICAL DIAGNOSIS**

### 25 May 2022 Diag: Doug Bogart



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### 22 May 2021 Diag: Angela Borella



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view repor



08 Jun 2020 Diag: Don Baldridge

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

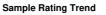


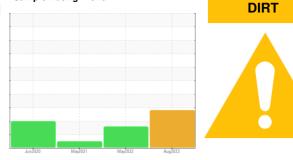




Area [2871511] 77ÅY05 Component

# **OIL ANALYSIS REPORT**





**Hydraulic System** KLUBER KLUBEROIL 4 UH1-68 N (--- GAL)

# DIAGNOSIS

# Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

# Wear

All component wear rates are normal.

# Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal.

## Fluid Condition

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

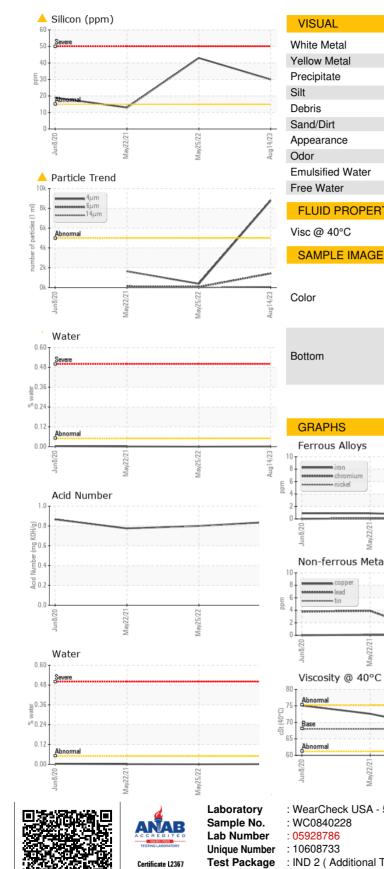
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0840228	WC0688437	WC0520241
Sample Date		Client Info		14 Aug 2023	25 May 2022	22 May 2021
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	<1
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	0	0	1
Lead	ppm	ASTM D5185m	>20	3	0	4
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
	PPIII		line it flere	-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	6
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		<1	0	<1
Phosphorus	ppm	ASTM D5185m		644	636	642
Zinc	ppm	ASTM D5185m		1	0	0
Sulfur	ppm	ASTM D5185m		900	649	1784
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>A</b> 30	<b>4</b> 3	13
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m			<u>^</u>	0
		AO INI DOTODITI	>20	0	0	
Water	%					
Water ppm Water	% ppm	ASTM D6304 ASTM D6304	>0.05	0 0.001 5.8	0.00	0.001
	ppm	ASTM D6304	>0.05	0.001	0.00	0.001
ppm Water FLUID CLEANLIN	ppm	ASTM D6304 ASTM D6304	>0.05 >500	0.001 5.8	0.00	0.001 1.4
ppm Water FLUID CLEANLIN Particles >4µm	ppm	ASTM D6304 ASTM D6304 method	>0.05 >500 limit/base >5000	0.001 5.8 current 8791	0.00 0.00 history1	0.001 1.4 history2
ppm Water FLUID CLEANLIN Particles >4μm Particles >6μm	ppm	ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	>0.05 >500 limit/base >5000	0.001 5.8 current 8791 1422	0.00 0.00 history1 380	0.001 1.4 history2 1647
ppm Water FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm	ppm	ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >5000 >1300 >160	0.001 5.8 current ▲ 8791 ▲ 1422 79	0.00 0.00 history1 380 65 7	0.001 1.4 history2 1647 122 11
ppm Water FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm	ppm	ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >5000 >1300 >160 >40	0.001 5.8 <u>current</u> ▲ 8791 ▲ 1422 79 24	0.00 0.00 history1 380 65 7 2	0.001 1.4 history2 1647 122 11 3
ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm	ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >5000 >1300 >160 >40 >10	0.001 5.8 current ▲ 8791 ▲ 1422 79 24 2	0.00 0.00 history1 380 65 7 2 2 0	0.001 1.4 history2 1647 122 11 3 0
ppm Water FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm	ppm	ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >5000 >1300 >160 >40 >10	0.001 5.8 current ▲ 8791 ▲ 1422 79 24 2 0	0.00 0.00 history1 380 65 7 2 2 0 0 0	0.001 1.4 history2 1647 122 11 3 0 0
ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness	ppm ESS	ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ISO 4406 (c)	>0.05 >500 limit/base >5000 >1300 >160 >40 >10 >3 >19/17/14	0.001 5.8 current ▲ 8791 ▲ 1422 79 24 2 0 ▲ 20/18/13	0.00 0.00 history1 380 65 7 2 0 0 0 0 16/13/10	0.001 1.4 history2 1647 122 11 3 0 0 0 18/14/11
ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ESS	ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >5000 >1300 >160 >40 >10 >3	0.001 5.8 current ▲ 8791 ▲ 1422 79 24 2 0	0.00 0.00 history1 380 65 7 2 2 0 0 0	0.001 1.4 history2 1647 122 11 3 0 0

Report Id: TALCLA [WUSCAR] 05928786 (Generated: 08/22/2023 11:31:50) Rev: 1

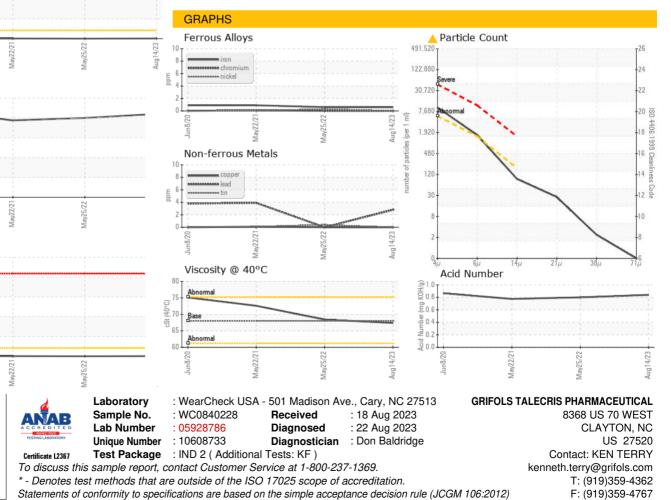
Contact/Location: KEN TERRY - TALCLA



# **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	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	>0.05	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	68	67.4	68.4	72.6
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						Con Russ



Contact/Location: KEN TERRY - TALCLA