



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**1000888709 366.1689 (S/N 1000047370)**

Component  
**Gearbox**

Fluid  
**KLUBER KLUBEROIL 4 UH1-220 N (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

## WEAR

All component wear rates are normal.

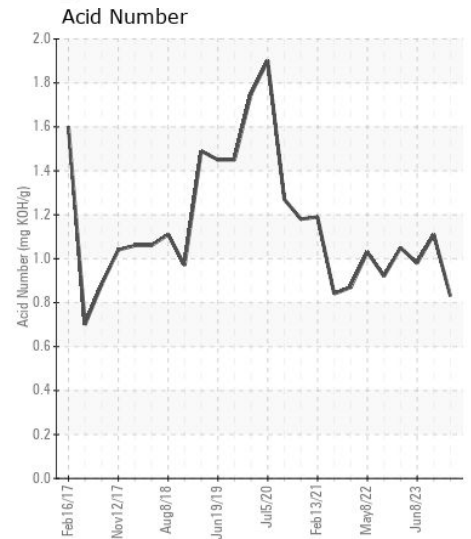
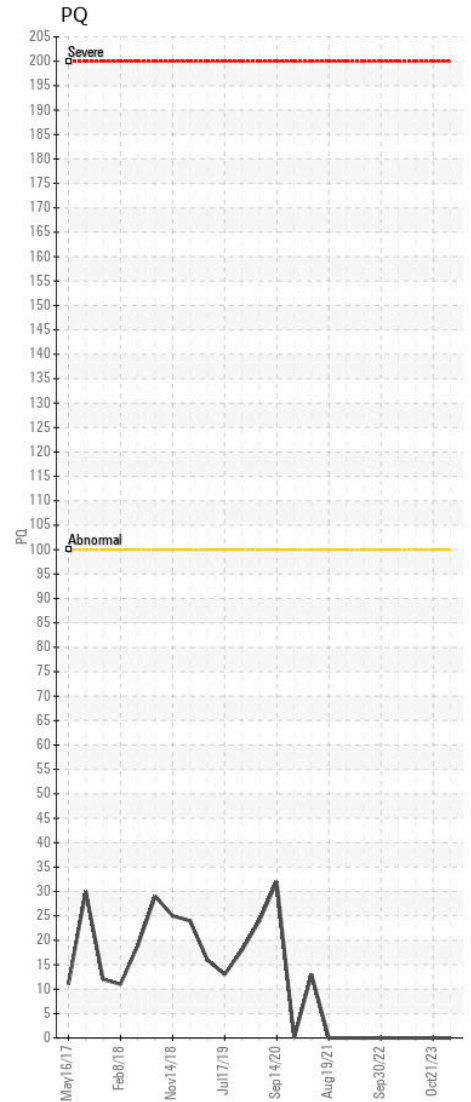
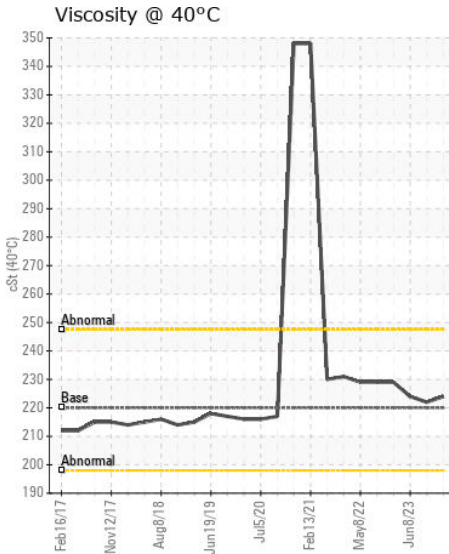
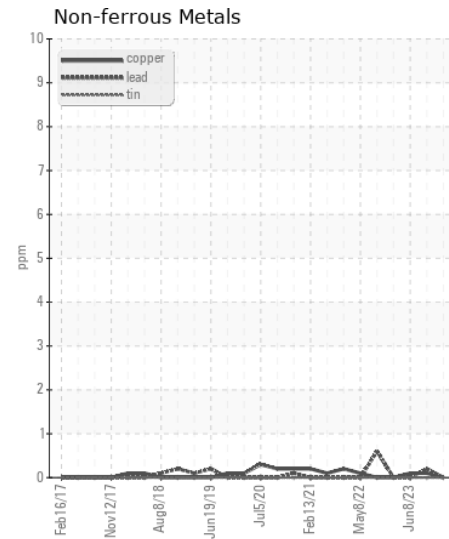
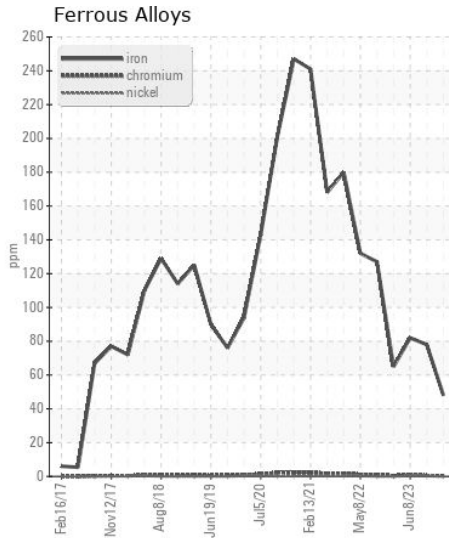
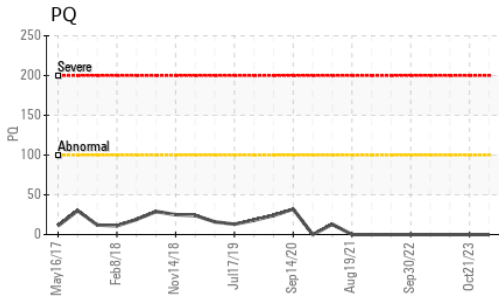
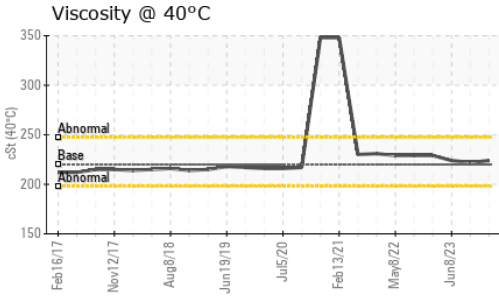
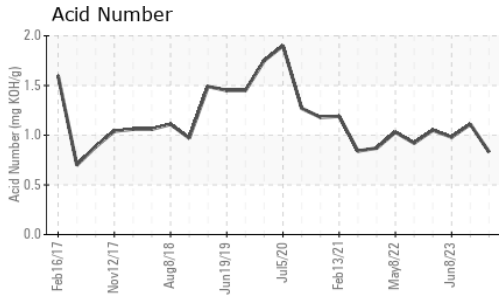
## CONTAMINATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0789012</b>	WC0848525	WC0821172
Sample Date		Client Info		<b>30 Dec 2023</b>	21 Oct 2023	08 Jun 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL
PQ		ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m)	>200	<b>48</b>	78	82
Chromium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>200	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	<b>14</b>	16	15
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	▲ WGOIL	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	.2%	.2%
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Boron	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Phosphorus	ppm	ASTM D5185(m)		<b>563</b>	601	623
Zinc	ppm	ASTM D5185(m)		<b>2</b>	4	4
Sulfur	ppm	ASTM D5185(m)		<b>701</b>	637	816
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.83</b>	1.11	0.98
Visc @ 40°C	cSt	ASTM D7279(m)	220	<b>224</b>	222	224



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0789012 **Received** : 23 Jan 2024  
**Lab Number** : 02610715 **Diagnosed** : 24 Jan 2024  
**Unique Number** : 5711801 **Diagnostician** : Wes Davis  
**Test Package** : IND 2

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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.