

OIL ANALYSIS REPORT

LIEBHERR CR6611 - INNER

Rear Right Final Drive Fluid GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

🔺 Wear

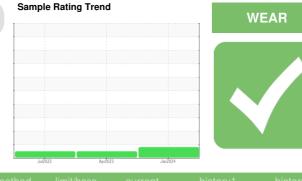
An increase in the copper level is noted. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

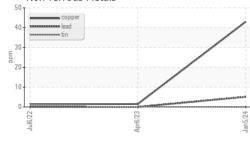


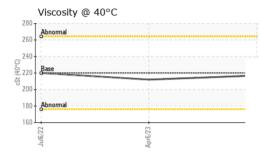
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0873285	WC0746697	WC0687189
Sample Date		Client Info		05 Jan 2024	06 Apr 2023	06 Jul 2022
Machine Age	hrs	Client Info		13889	13215	12454
Oil Age	hrs	Client Info		0	754	404
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
	NI		11.0011/10.000			
CONTAMINATIO Water	N	method WC Method	limit/base	current	history1 NEG	history2 NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm		>500	56	54	51
Chromium	ppm		>10	0	<1	<1
Nickel	ppm		>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	2	2
Lead	ppm	ASTM D5185m	>25	5	0	0
Copper	ppm	ASTM D5185m	>50	4 3	2	1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	4	2	2
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	<1	<1	0
Calcium	ppm	ASTM D5185m	50	4	4	5
Phosphorus	ppm	ASTM D5185m	350	415	364	417
Zinc	ppm	ASTM D5185m	100	33	7	2
Sulfur	ppm	ASTM D5185m	12500	5652	5626	623
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	8	8	14
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	1	2	0
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	MODER	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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
			-			

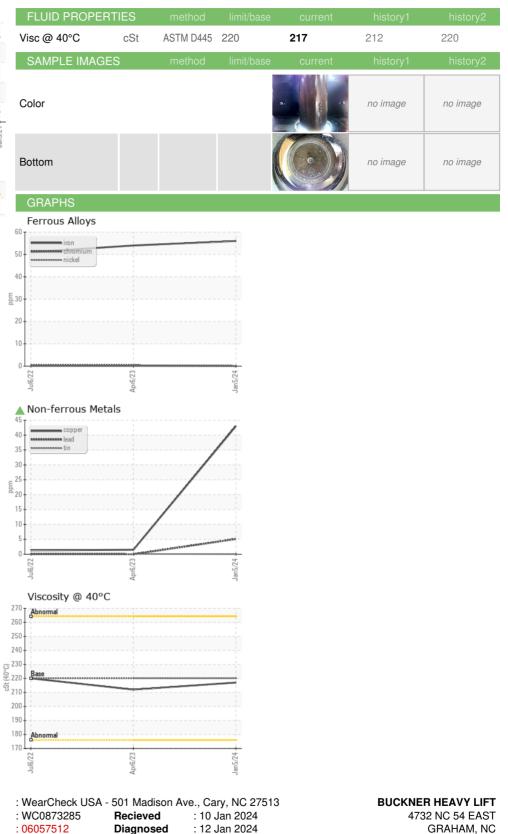


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🔺 Non-ferrous Metals









Unique Number : 10823461 Diagnostician : Sean Felton Test Package : CONST Contact: MICHAEL LAWSON Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. michaell@bucknercompanies.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Laboratory

Sample No.

Lab Number

Contact/Location: MICHAEL LAWSON - BUCGRA

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