

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

LIEBHERR LR-1400 CR-4404

Component

Front Left Swing Drive

GEAR OIL ISO 220 (--- GAL)

DIAGNIGGIG

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

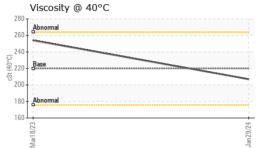
Fluid Condition

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

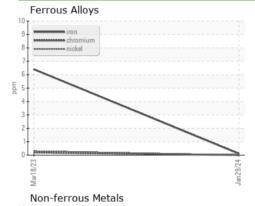
			Mar2023	Jan 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0893064	WC0785177	
Sample Date		Client Info		29 Jan 2024	18 Mar 2023	
Machine Age	hrs	Client Info		0	4781	
Oil Age	hrs	Client Info		0	1000	
Oil Changed	0	Client Info		N/A	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	DN	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>400	<1	6	
Chromium	ppm	ASTM D5185m		0	<1	
Vickel	ppm	ASTM D5185m	>10	0	<1	
ritanium		ASTM D5185m	/10	0	0	
Silver	ppm	ASTM D5185m		0	0	-
	ppm		>25	0 <1	1	
Aluminum	ppm	ASTM D5185m				
_ead	ppm	ASTM D5185m	>50	0	0	
Copper	ppm	ASTM D5185m	>200	0	<1	
Γin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	8	255	
Barium	ppm	ASTM D5185m	15	0	0	
Molybdenum	ppm	ASTM D5185m	15	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	50	0	<1	
Calcium	ppm	ASTM D5185m	50	0	6	
Phosphorus	ppm	ASTM D5185m	350	1111	1273	
Zinc	ppm	ASTM D5185m	100	0	8	
Sulfur	ppm	ASTM D5185m	12500	797	20587	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	2	
Sodium	ppm	ASTM D5185m		0	2	
Potassium	ppm	ASTM D5185m	>20	2	<1	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt '	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual	70.L	NEG	NEG	
21:40) Rav: 1	Scalai	visual		ontact/Location		

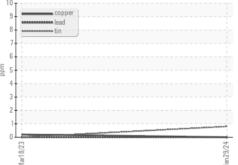


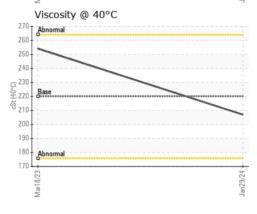
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Certificate L2367

Laboratory Sample No.

Lab Number Unique Number : 10857279 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0893064 : 06075188

: 30 Jan 2024 Recieved Diagnosed Diagnostician : Sean Felton

: 01 Feb 2024

BUCKNER - WILLIS 18123 HWY 75 NORTH WILLIS, TX US 77378 Contact: JOHN HAWKINS

johnh@bucknercompanies.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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)

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