CONST

LIEBHERR

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LIEBHERR L566 1332-62108
Component
Splitter Box
Fluid
LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

CONTAMINATION

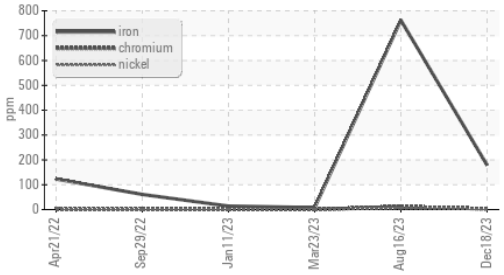
There is no indication of any contamination in the oil.

FLUID CONDITION

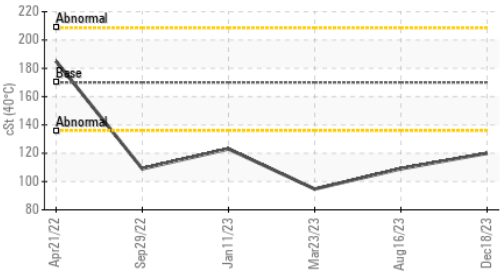
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0268217	LH0264012	LH0176284
Sample Date		Client Info		18 Dec 2023	16 Aug 2023	23 Mar 2023
Machine Age	hrs	Client Info		7565	6834	5480
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changd	N/A	None
Sample Status				ABNORMAL	SEVERE	NORMAL
Iron	ppm	ASTM D5185m	>100	▲ 179	⬢ 762	8
Chromium	ppm	ASTM D5185m	>5	3	⬢ 12	<1
Nickel	ppm	ASTM D5185m	>5	2	▲ 5	0
Titanium	ppm	ASTM D5185m		1	<1	3
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	▲ 17	<1
Lead	ppm	ASTM D5185m	>30	<1	<1	0
Copper	ppm	ASTM D5185m	>20	<1	2	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>30	11	▲ 61	<1
Potassium	ppm	ASTM D5185m	>20	1	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>25	0	0	2
Boron	ppm	ASTM D5185m	0	23	84	22
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	1	4	8
Manganese	ppm	ASTM D5185m	0	3	7	<1
Magnesium	ppm	ASTM D5185m	<1	13	9	66
Calcium	ppm	ASTM D5185m	<1	42	91	162
Phosphorus	ppm	ASTM D5185m	2143	752	791	749
Zinc	ppm	ASTM D5185m	<1	111	159	187
Sulfur	ppm	ASTM D5185m	23468	23614	22072	23569
Visc @ 40°C	cSt	ASTM D445	170	120	109	94.7

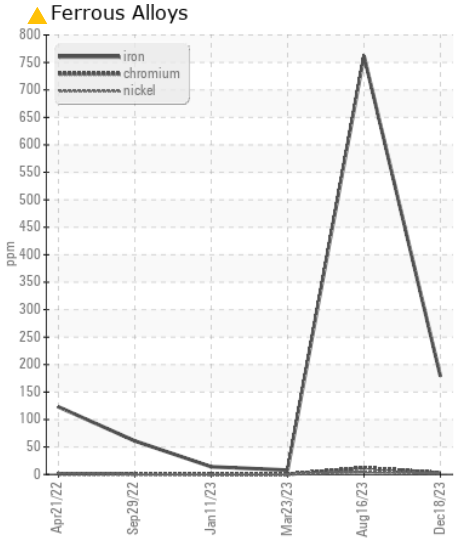
Ferrous Alloys



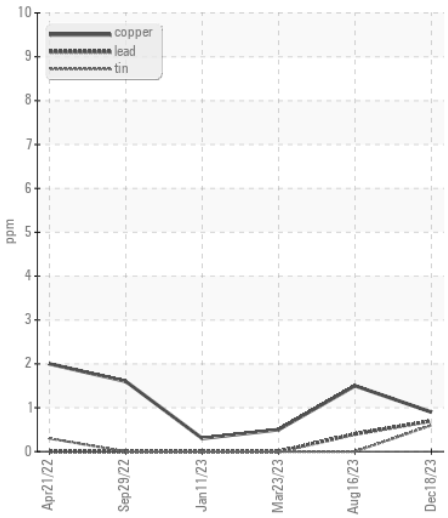
Viscosity @ 40°C



Ferrous Alloys



Non-ferrous Metals



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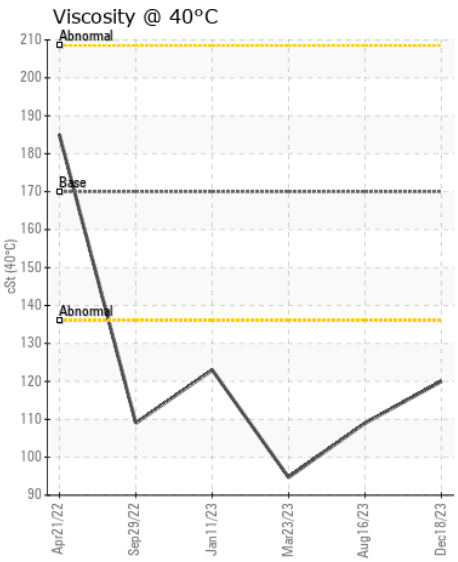

Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: LH0268217	**Recieved**	: 08 Jan 2024
Lab Number	: 06055083	**Diagnosed**	: 10 Jan 2024
Unique Number	: 10821032	**Diagnostician**	: Sean Felton
Test Package	: CONST		

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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Report Id: ALTMILWI [WUSCAR] 06055083 (Generated: 01/10/2024 11:17:48) Rev: 1

Submitted By: ?