CONST

LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LIEBHERR LH60M 119208-1217
Component
Rear Differential
Fluid
LIEBHERR GEAR BASIC 90 LS (--- GAL)

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

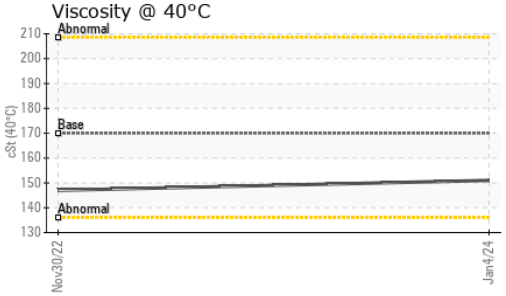
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**LH0267398**	LH0200265	---
Sample Date		Client Info		**04 Jan 2024**	30 Nov 2022	---
Machine Age	hrs	Client Info		**4478**	1763	---
Oil Age	hrs	Client Info		**0**	0	---
Filter Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Not Changd**	Not Changd	---
Filter Changed		Client Info		**N/A**	Not Changd	---
Sample Status				**NORMAL**	ABNORMAL	---
Iron	ppm	ASTM D5185m	>150	**18**	15	---
Chromium	ppm	ASTM D5185m	>5	**<1**	0	---
Nickel	ppm	ASTM D5185m	>10	**<1**	0	---
Titanium	ppm	ASTM D5185m		**<1**	0	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>5	**2**	<1	---
Lead	ppm	ASTM D5185m	>5	**<1**	0	---
Copper	ppm	ASTM D5185m	>125	**6**	4	---
Tin	ppm	ASTM D5185m	>5	**<1**	<1	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Silicon	ppm	ASTM D5185m	>20	**<1**	2	---
Potassium	ppm	ASTM D5185m	>20	**1**	0	---
Water		WC Method	>0.2	**NEG**	NEG	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	▲ MODER	---
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	---
Sodium	ppm	ASTM D5185m		**0**	<1	---
Boron	ppm	ASTM D5185m	0	**183**	194	---
Barium	ppm	ASTM D5185m	0	**35**	14	---
Molybdenum	ppm	ASTM D5185m	0	**<1**	0	---
Manganese	ppm	ASTM D5185m	0	**<1**	<1	---
Magnesium	ppm	ASTM D5185m	<1	**0**	0	---
Calcium	ppm	ASTM D5185m	<1	**5**	8	---
Phosphorus	ppm	ASTM D5185m	2143	**1062**	1130	---
Zinc	ppm	ASTM D5185m	<1	**0**	11	---
Sulfur	ppm	ASTM D5185m	23468	**28887**	30586	---
Visc @ 40°C	cSt	ASTM D445	170	**151**	147	---

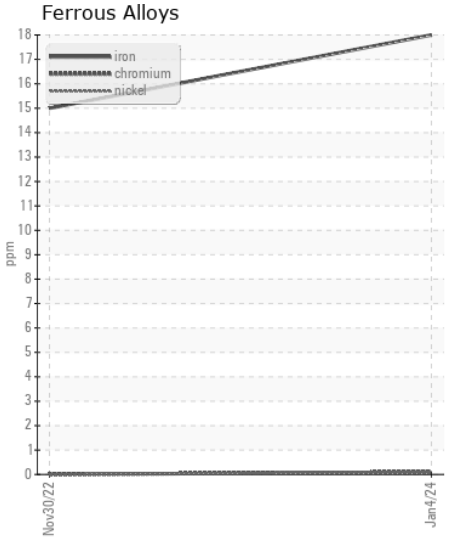
Report Id: TTENEW [WUSCAR] 06054385 (Generated: 01/10/2024 11:51:15) Rev: 1

Contact/Location: MICHAEL STANCIL - TTENEW

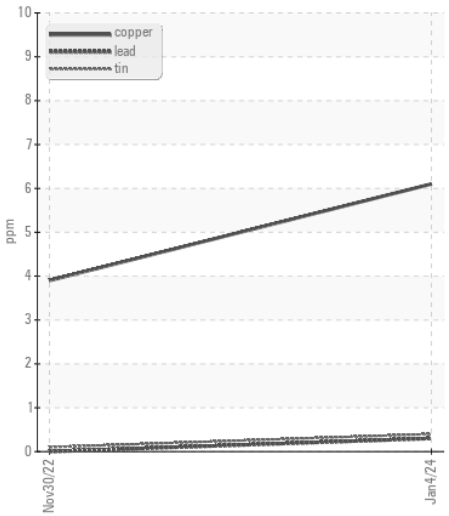
Viscosity @ 40°C



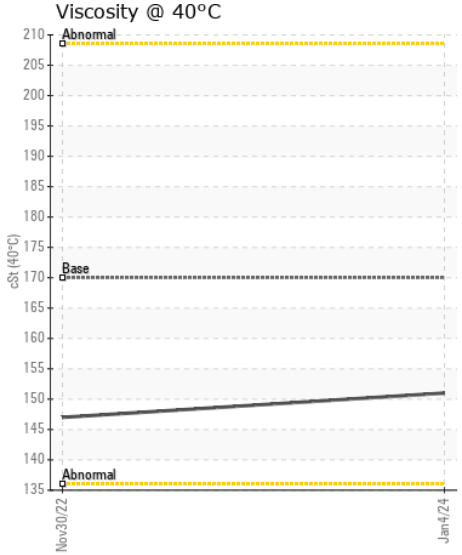
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: LH0267398	**Recieved**	: 08 Jan 2024
Lab Number	: 06054385	**Diagnosed**	: 10 Jan 2024
Unique Number	: 10820334	**Diagnostician**	: Jonathan Hester
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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