MOB I

LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
127769
Component
Splitter Box
Fluid
LIEBHERR GEAR BASIC 90 LS (5 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

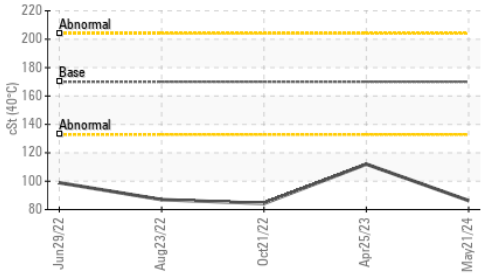
There is no indication of any contamination in the oil.

FLUID CONDITION

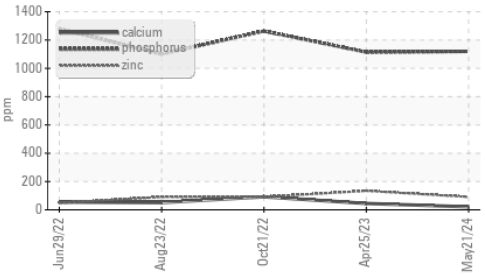
Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**LH0276211**	LH0261268	LH0222646
Sample Date		Client Info		**21 May 2024**	25 Apr 2023	21 Oct 2022
Machine Age	hrs	Client Info		**14141**	9975	7948
Oil Age	hrs	Client Info		**0**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Changed	Not Changd
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>80	**8**	28	12
Chromium	ppm	ASTM D5185(m)	>2	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	**0**	<1	0
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)		**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>5	**<1**	1	<1
Lead	ppm	ASTM D5185(m)	>2	**0**	<1	0
Copper	ppm	ASTM D5185(m)	>10	**<1**	2	<1
Tin	ppm	ASTM D5185(m)	>2	**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>10	**1**	2	2
Potassium	ppm	ASTM D5185(m)	>20	**<1**	10	<1
Water		WC Method	>0.1	**NEG**	NEG	NEG
Silt	scalar	Visual*	NONE	**VLITE**	NONE	NONE
Debris	scalar	Visual*	NONE	**VLITE**	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 D5185(m)	>25	**<1**	6	<1
Boron	ppm	ASTM D5185(m)	0	**261**	60	253
Barium	ppm	ASTM D5185(m)	0	**0**	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	**0**	<1	0
Manganese	ppm	ASTM D5185(m)	0	**0**	<1	<1
Magnesium	ppm	ASTM D5185(m)	<1	**2**	4	2
Calcium	ppm	ASTM D5185(m)	<1	**21**	45	92
Phosphorus	ppm	ASTM D5185(m)	2143	**1120**	1114	1263
Zinc	ppm	ASTM D5185(m)	<1	**91**	134	92
Sulfur	ppm	ASTM D5185(m)	23468	**18115**	18928	17935
Visc @ 40°C	cSt	ASTM D7279(m)	170	**86.3**	112	84.3

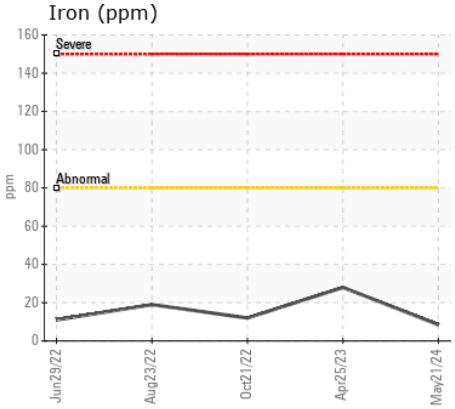
Viscosity @ 40°C



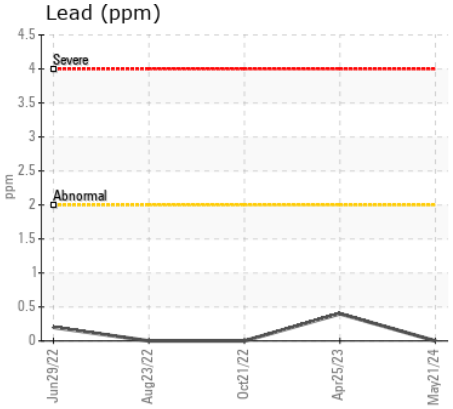
Additives



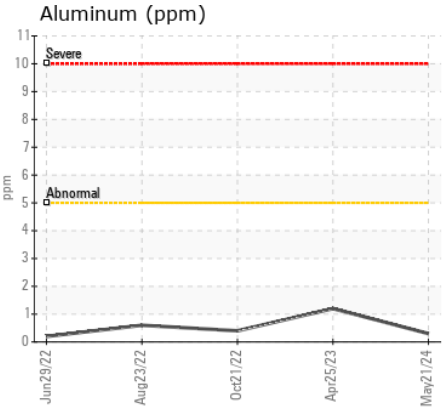
Iron (ppm)



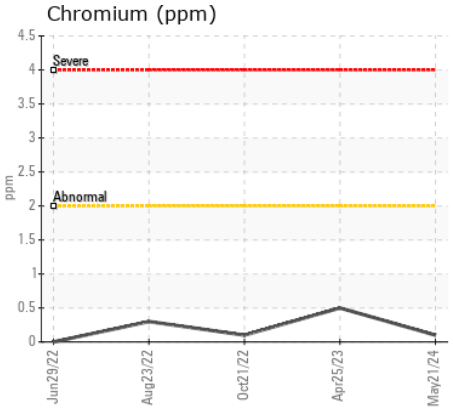
Lead (ppm)



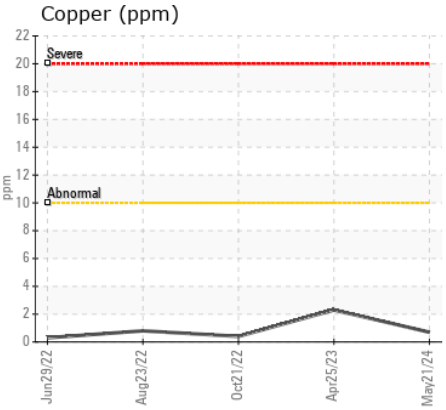
Aluminum (ppm)



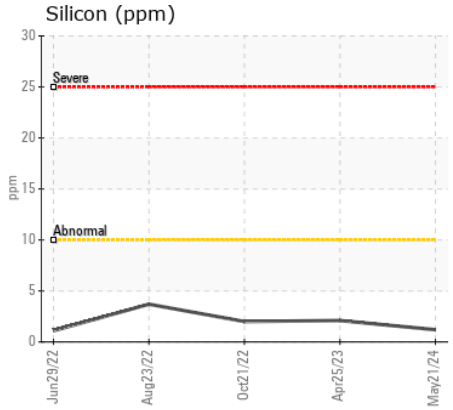
Chromium (ppm)



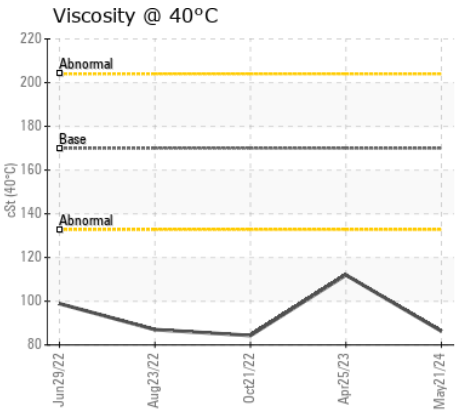
Copper (ppm)



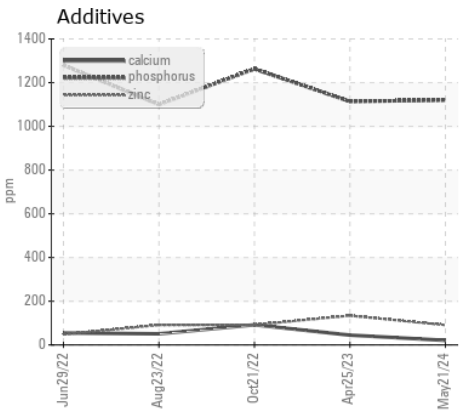
Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0276211
Lab Number : 02636983
Unique Number : 5786145
Test Package : MOB 1

Received : 22 May 2024
Tested : 22 May 2024
Diagnosed : 22 May 2024 - Wes Davis

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.

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