



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(360524)
Machine Id
LIEBHERR R926 053645-1827
Component
Right Final Drive
Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

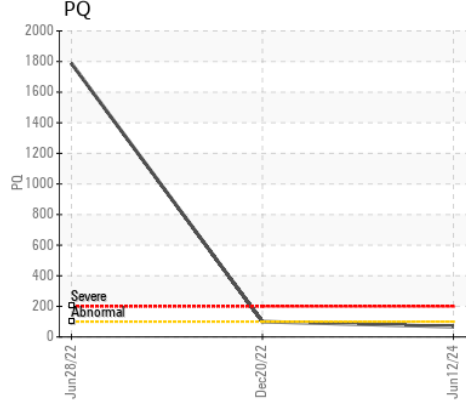
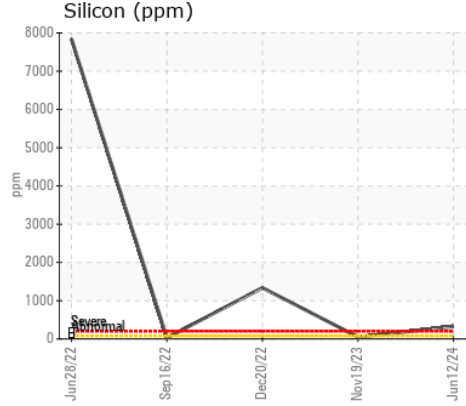
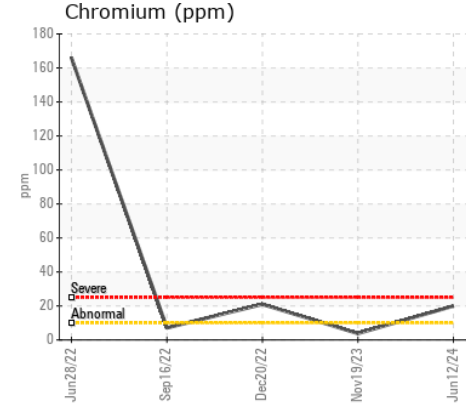
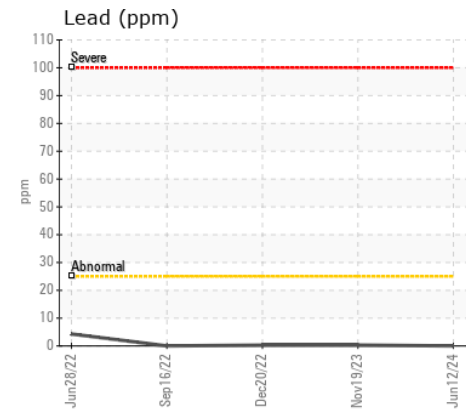
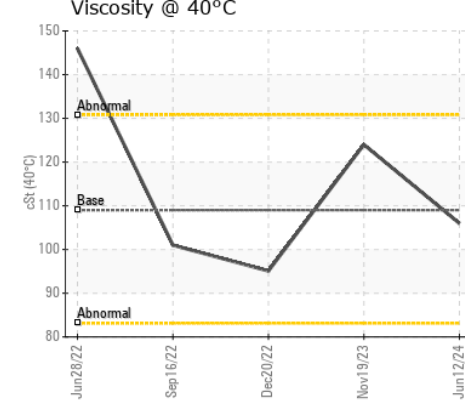
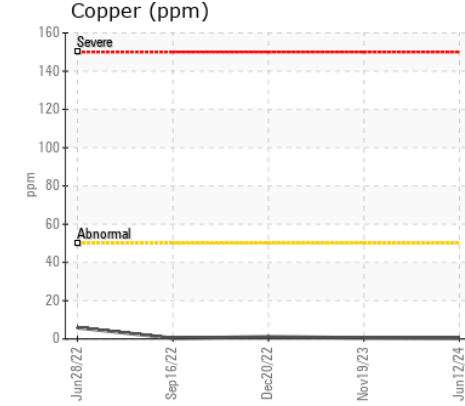
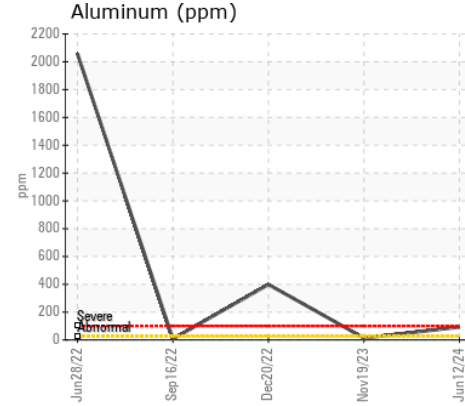
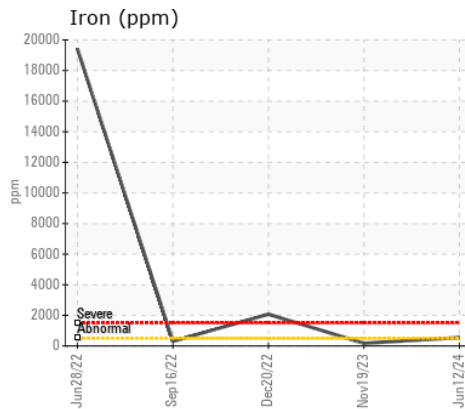
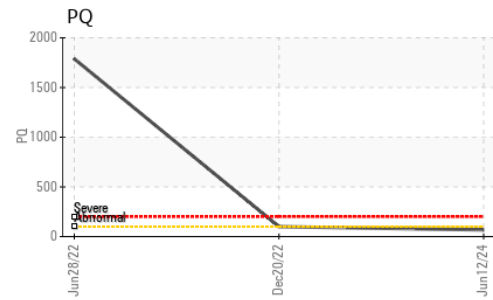
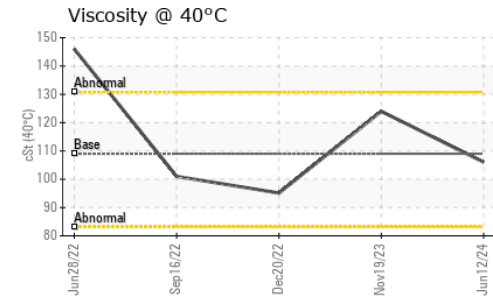
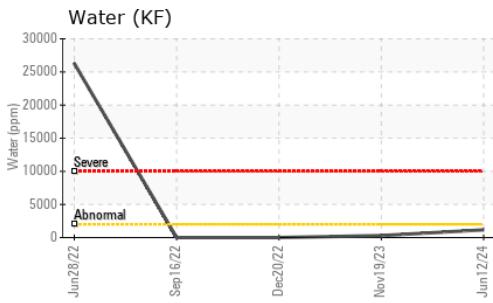
CONTAMINATION

The water content is negligible. 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		LH0216694	LH0216687	LH0216680
Sample Date		Client Info		12 Jun 2024	19 Nov 2023	20 Dec 2022
Machine Age	hrs	Client Info		4000	3000	2000
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
PQ		ASTM D8184*		67	---	100
Iron	ppm	ASTM D5185(m)	>500	546	173	▲ 2073
Chromium	ppm	ASTM D5185(m)	>10	20	4	21
Nickel	ppm	ASTM D5185(m)	>10	2	<1	4
Titanium	ppm	ASTM D5185(m)		6	0	▲ 21
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	93	14	● 399
Lead	ppm	ASTM D5185(m)	>25	0	<1	<1
Copper	ppm	ASTM D5185(m)	>50	<1	<1	1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>75	324	51	▲ 1338
Potassium	ppm	ASTM D5185(m)	>20	29	6	158
Water	%	ASTM D6304*	>0.2	0.116	0.030	---
ppm Water	ppm	ASTM D6304*	>2000	1166	301	---
Silt	scalar	Visual*	NONE	VLITE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	WGOIL	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	.2%	NEG	NEG
Sodium	ppm	ASTM D5185(m)		20	4	96
Boron	ppm	ASTM D5185(m)	400	93	50	241
Barium	ppm	ASTM D5185(m)	200	1	<1	3
Molybdenum	ppm	ASTM D5185(m)	12	1	0	<1
Manganese	ppm	ASTM D5185(m)		5	1	21
Magnesium	ppm	ASTM D5185(m)	12	18	2	65
Calcium	ppm	ASTM D5185(m)	150	39	11	108
Phosphorus	ppm	ASTM D5185(m)	1650	981	650	1250
Zinc	ppm	ASTM D5185(m)	125	20	9	26
Sulfur	ppm	ASTM D5185(m)	22500	21386	17449	21542
Visc @ 40°C	cSt	ASTM D7279(m)	109	106	124	95.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0216694
Lab Number : 02641788
Unique Number : 5799327
Test Package : MOBCE (Additional Tests: KF, PQ)
Received : 13 Jun 2024
Tested : 14 Jun 2024
Diagnosed : 14 Jun 2024 - Kevin Marson

HAWKESBURY TRANSPORT EXCAVATION
 668 MAIN STREET EAST, CP 715
 HAWKESBURY, ON
 CA K6A 1A9
 Contact: Service Manager

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.

T:
F: