



LIEBHERR

OIL ANALYSIS REPORT



Area
(357696)
Machine Id
LIEBHERR LH50M 133969-1216
Component
Swing Drive
Fluid
GEAR OIL SAE 75W90 (--- GAL)

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0286527	LH0247076	LH0239536
Sample Date		Client Info		04 Mar 2024	15 Dec 2022	19 Aug 2022
Machine Age	hrs	Client Info		3503	1867	1605
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		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>1450	70	47	61
Chromium	ppm	ASTM D5185(m)	>11	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>3	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>4	<1	0	0
Lead	ppm	ASTM D5185(m)	>4	<1	<1	1
Copper	ppm	ASTM D5185(m)	>542	37	29	47
Tin	ppm	ASTM D5185(m)	>38	<1	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

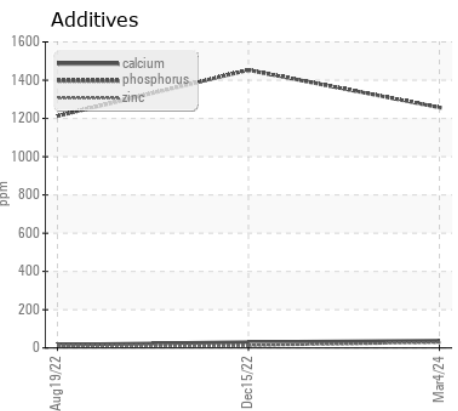
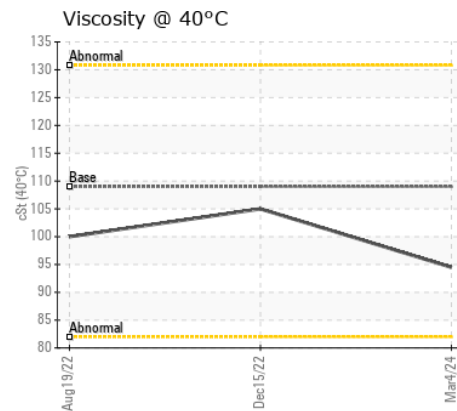
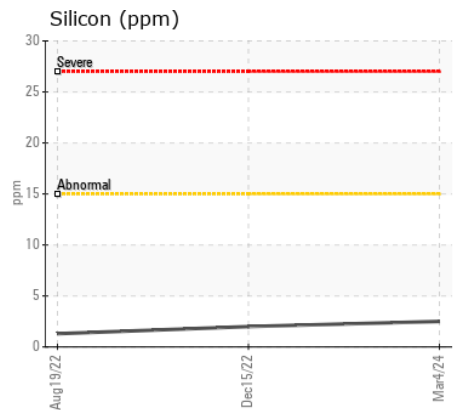
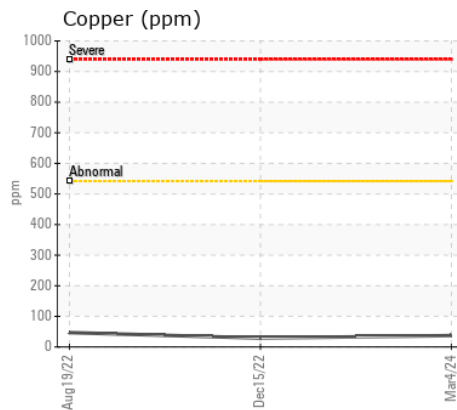
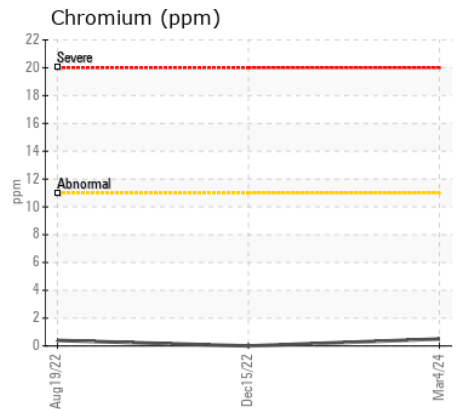
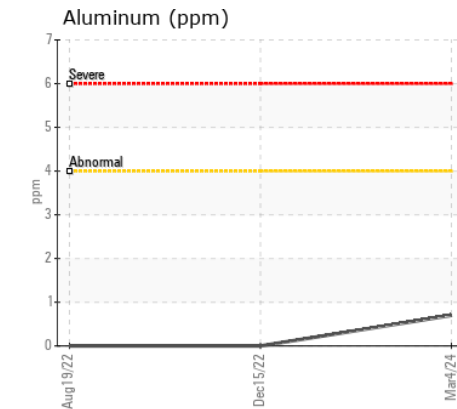
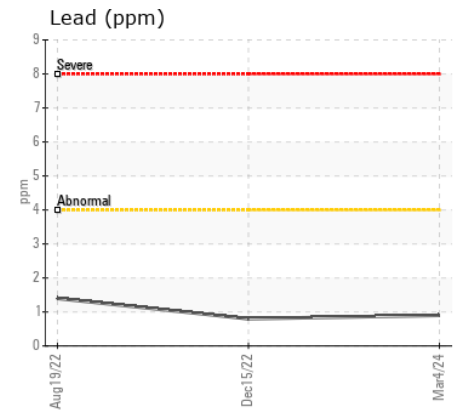
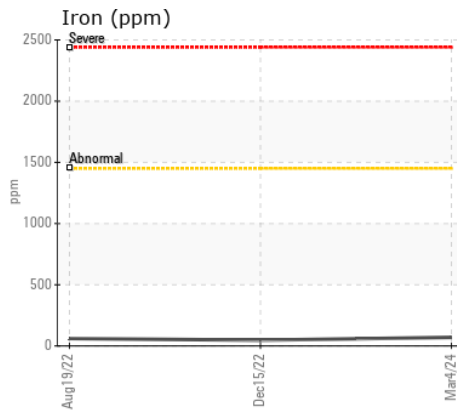
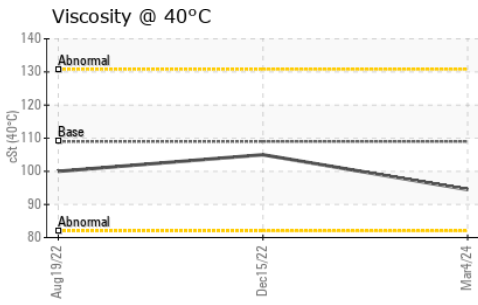
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	2	2	1
Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
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*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	2	<1
Boron	ppm	ASTM D5185(m)	400	279	269	302
Barium	ppm	ASTM D5185(m)	200	<1	2	0
Molybdenum	ppm	ASTM D5185(m)	12	0	0	0
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	12	3	2	1
Calcium	ppm	ASTM D5185(m)	150	38	31	17
Phosphorus	ppm	ASTM D5185(m)	1650	1257	1453	1213
Zinc	ppm	ASTM D5185(m)	125	28	12	12
Sulfur	ppm	ASTM D5185(m)	22500	20727	22664	20885
Visc @ 40°C	cSt	ASTM D7279(m)	109	94.5	105	100



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0286527
Lab Number : 02620632
Unique Number : 5737742
Test Package : MOB 1

Received : 07 Mar 2024
Tested : 07 Mar 2024
Diagnosed : 07 Mar 2024 - Wes Davis

PRIESTLY DEMOLITION
 3200 LLOYDTOWN AURORA RD
 KING, ON
 CA L0G 1J0
 Contact: Krystal Breedon
 kbreedon@priestly.ca

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: