MOB I

LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
LIEBHERR LH50M 138820-1216
Component
Swing Drive
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

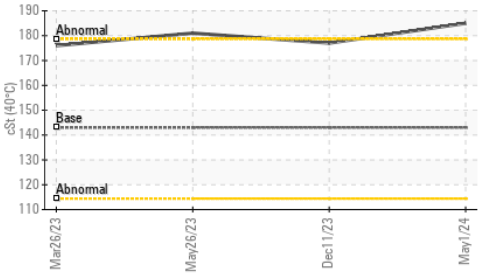
There is no indication of any contamination in the oil.

FLUID CONDITION

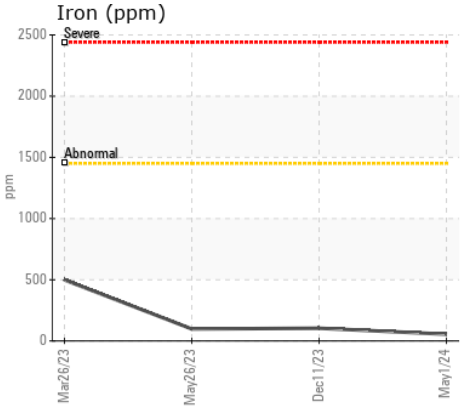
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH	LH0279437	LH0260710
Sample Date		Client Info		01 May 2024	11 Dec 2023	26 May 2023
Machine Age	hrs	Client Info		1000	2140	950
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>1450	55	104	98
Chromium	ppm	ASTM D5185(m)	>11	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>3	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>4	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>4	0	1	1
Copper	ppm	ASTM D5185(m)	>542	21	32	50
Tin	ppm	ASTM D5185(m)	>38	1	2	5
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)	>15	0	1	2
Potassium	ppm	ASTM D5185(m)	>20	15	0	0
Water		WC Method	>0.2	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*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>170	11	2	1
Boron	ppm	ASTM D5185(m)	400	2	3	3
Barium	ppm	ASTM D5185(m)	200	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	12	0	0	0
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	12	1	<1	<1
Calcium	ppm	ASTM D5185(m)	150	5	10	10
Phosphorus	ppm	ASTM D5185(m)	1650	2363	2331	2515
Zinc	ppm	ASTM D5185(m)	125	10	24	10
Sulfur	ppm	ASTM D5185(m)	22500	25160	26875	27600
Visc @ 40°C	cSt	ASTM D7279(m)	143	185	177	181

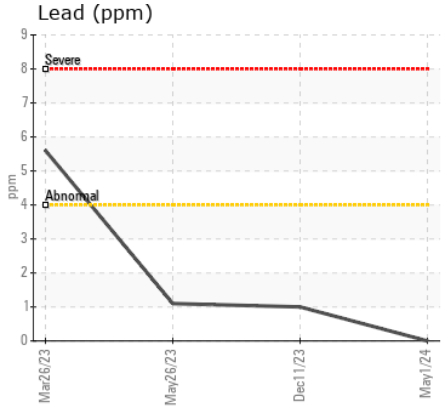
Viscosity @ 40°C



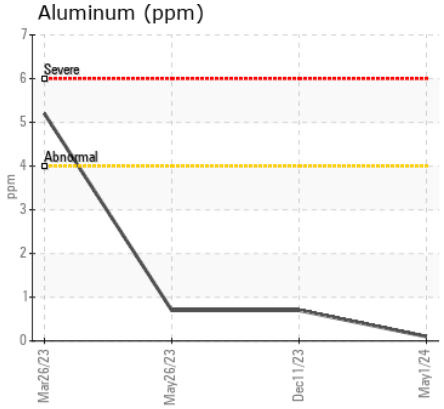
Iron (ppm)



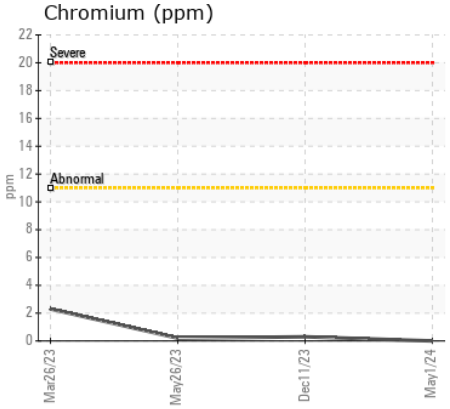
Lead (ppm)



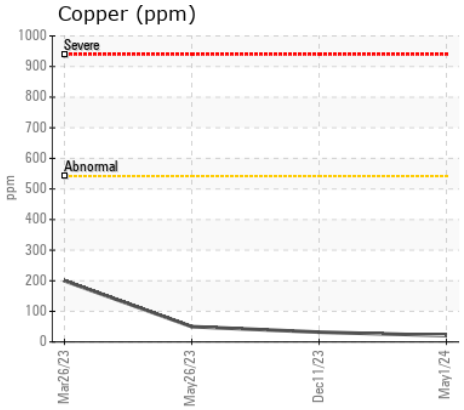
Aluminum (ppm)



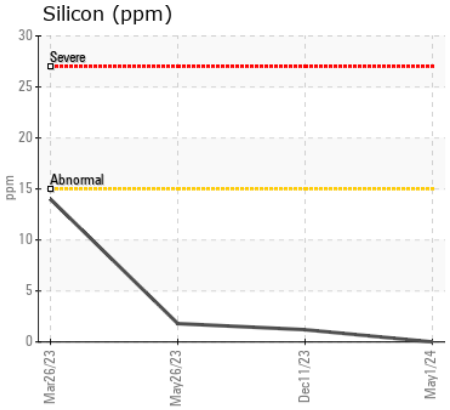
Chromium (ppm)



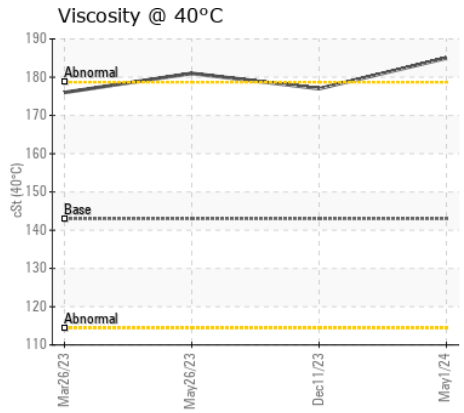
Copper (ppm)



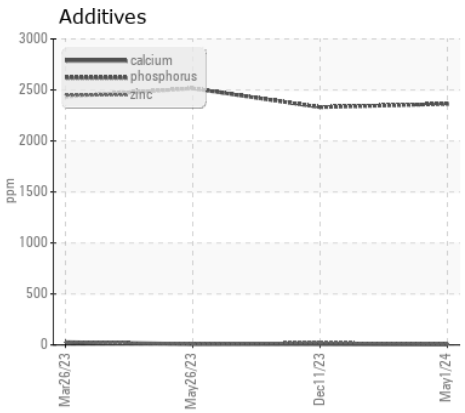
Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH
Lab Number : 02632858
Unique Number : 5774011
Test Package : MOB 1

Received : 02 May 2024
Tested : 02 May 2024
Diagnosed : 02 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.

D.P. Metal Inc.
373A Chemin Grande-Ligne
Saint-Urbain Premier, QC
CA J0S 1Y0
Contact: Service .

T: (450)427-0506
F: