



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
108395-1185
Component
Front Left Wheel Hub
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH	LH	LH0242906
Sample Date		Client Info		10 Jun 2024	20 Jun 2023	21 Dec 2022
Machine Age	hrs	Client Info		6899	5938	5183
Oil Age	hrs	Client Info		0	2000	0
Filter Age	hrs	Client Info		0	2000	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>650	203	37	183
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>4	0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	1	<1	<1
Lead	ppm	ASTM D5185(m)	>4	0	<1	<1
Copper	ppm	ASTM D5185(m)	>60	8	1	17
Tin	ppm	ASTM D5185(m)	>4	0	0	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

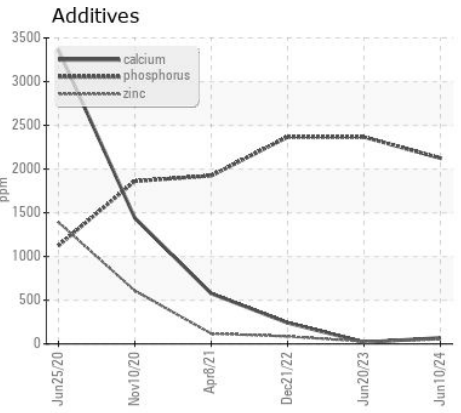
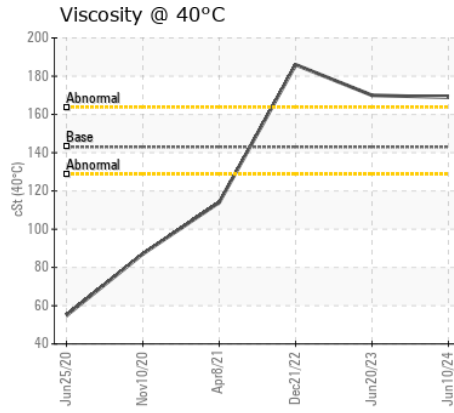
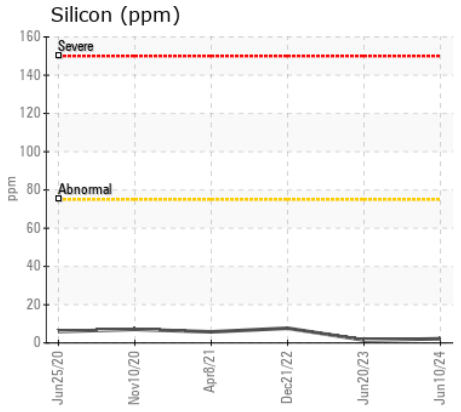
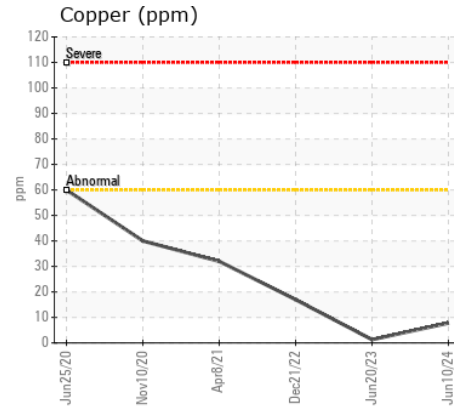
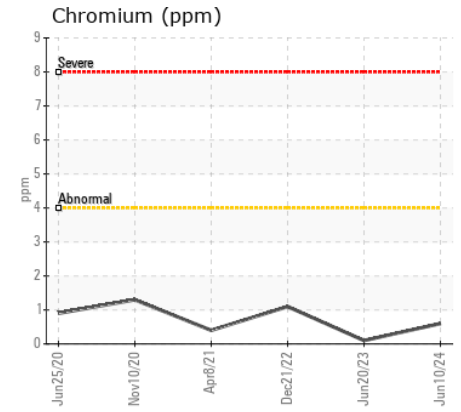
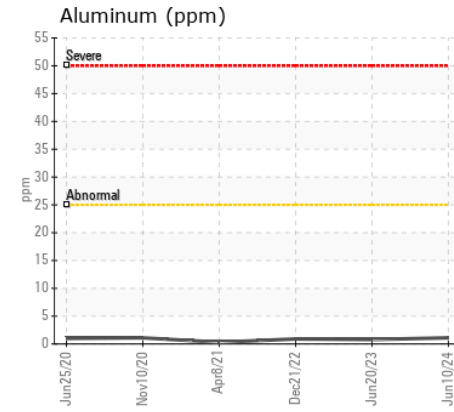
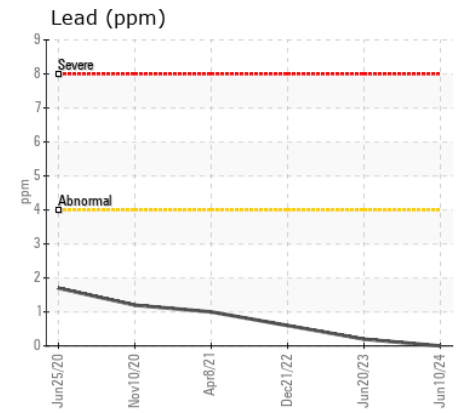
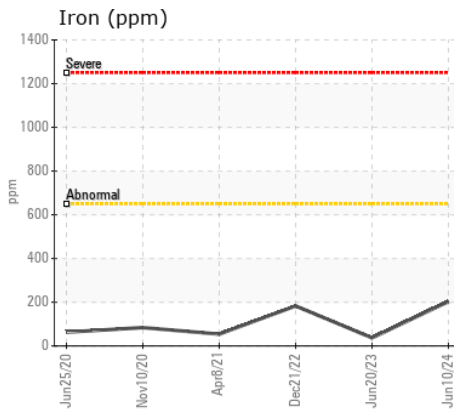
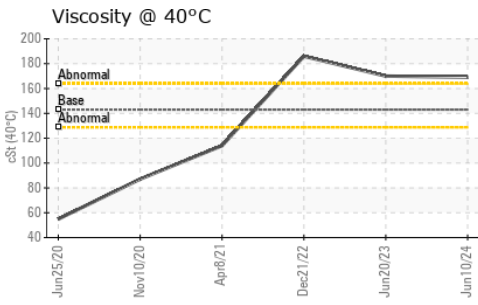
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>75	2	2	8
Potassium	ppm	ASTM D5185(m)	>20	1	<1	2
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

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)	>170	14	5	14
Boron	ppm	ASTM D5185(m)	400	5	1	16
Barium	ppm	ASTM D5185(m)	200	2	<1	5
Molybdenum	ppm	ASTM D5185(m)	12	0	<1	<1
Manganese	ppm	ASTM D5185(m)		2	1	2
Magnesium	ppm	ASTM D5185(m)	12	5	2	9
Calcium	ppm	ASTM D5185(m)	150	69	20	241
Phosphorus	ppm	ASTM D5185(m)	1650	2125	2367	2368
Zinc	ppm	ASTM D5185(m)	125	53	27	86
Sulfur	ppm	ASTM D5185(m)	22500	25312	27068	33021
Visc @ 40°C	cSt	ASTM D7279(m)	143	169	170	186



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH
Lab Number : 02641273
Unique Number : 5798812
Test Package : MOB 1
Received : 11 Jun 2024
Tested : 12 Jun 2024
Diagnosed : 12 Jun 2024 - Wes Davis

GFL Environmental - 756 - Quebec Lavoisier MRF
 2244 rue Lavoisier
 Quebec, QC
 CA G1N 4H2
 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: