



Machine Id
OR877
Component
Swing Drive
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0089244	GFL0061625	GFL0026144
Sample Date		Client Info		29 Feb 2024	22 Jun 2023	02 Nov 2021
Machine Age	hrs	Client Info		8249	7315	5289
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Nous avons noté une brusque hausse du taux d'étain. Usure de palier et (ou) de douille.

Iron	ppm	ASTM D5185(m)	>1450	152	162	535
Chromium	ppm	ASTM D5185(m)	>11	<1	1	3
Nickel	ppm	ASTM D5185(m)	>3	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>4	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>4	1	<1	3
Copper	ppm	ASTM D5185(m)	>542	60	15	103
Tin	ppm	ASTM D5185(m)	>38	▲ 28	<1	3
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

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

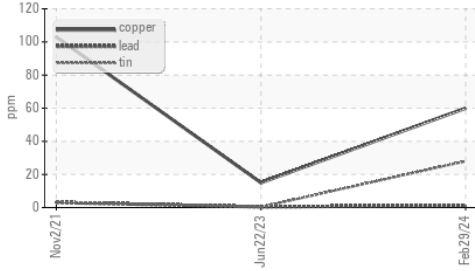
Silicon	ppm	ASTM D5185(m)	>15	2	3	1
Potassium	ppm	ASTM D5185(m)	>20	<1	3	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	LIGHT
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	.2%	▲ .5%

FLUID CONDITION

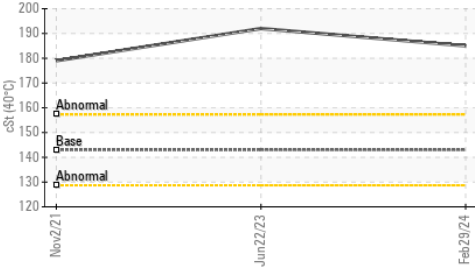
l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)	>170	2	8	3
Boron	ppm	ASTM D5185(m)	400	4	15	8
Barium	ppm	ASTM D5185(m)	200	2	6	0
Molybdenum	ppm	ASTM D5185(m)	12	0	<1	0
Manganese	ppm	ASTM D5185(m)		1	2	4
Magnesium	ppm	ASTM D5185(m)	12	<1	2	1
Calcium	ppm	ASTM D5185(m)	150	8	17	21
Phosphorus	ppm	ASTM D5185(m)	1650	2361	2354	2517
Zinc	ppm	ASTM D5185(m)	125	27	16	36
Sulfur	ppm	ASTM D5185(m)	22500	25055	25686	34771
Visc @ 40°C	cSt	ASTM D7279(m)	143	185	192	179

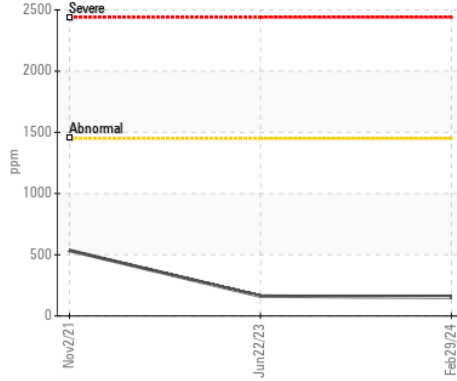
▲ Non-ferrous Metals



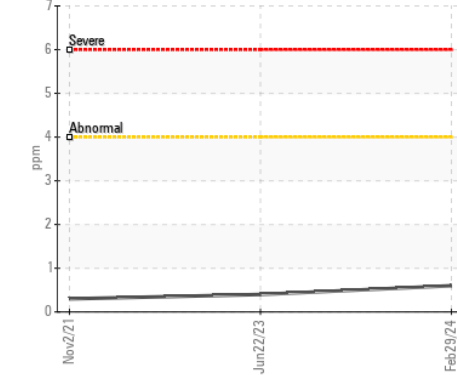
Viscosity @ 40°C



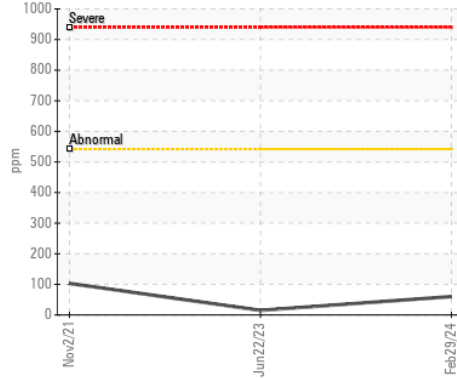
Iron (ppm)



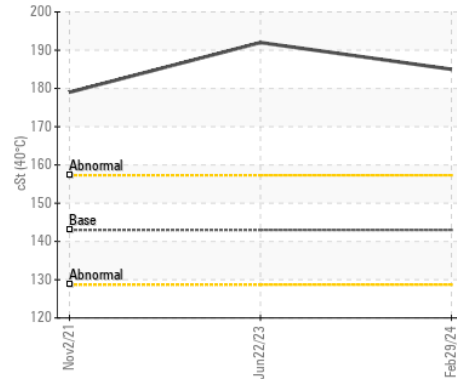
Aluminum (ppm)



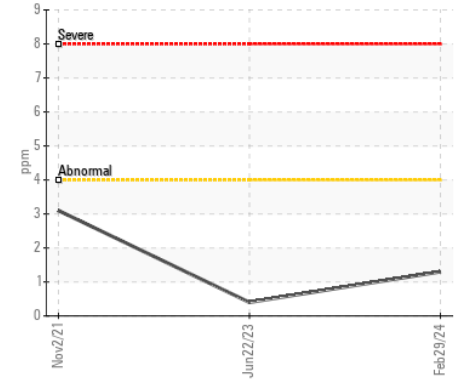
Copper (ppm)



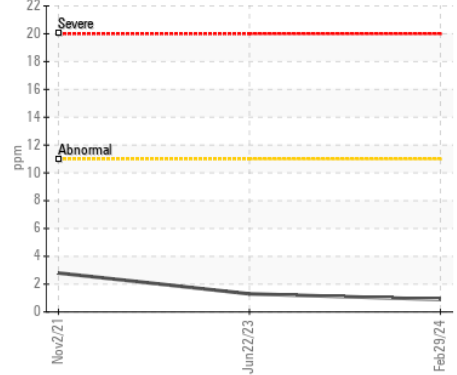
Viscosity @ 40°C



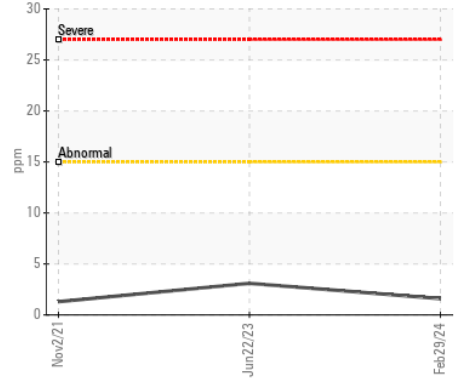
Lead (ppm)



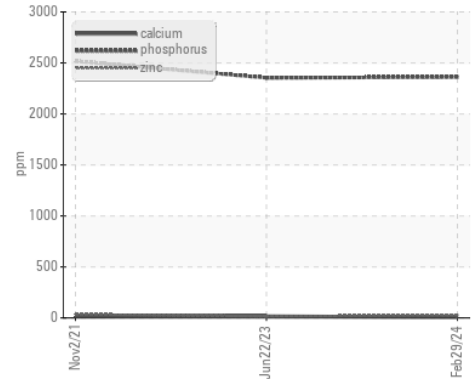
Chromium (ppm)



Silicon (ppm)



Additives



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0089244
Lab Number : 02619977
Unique Number : 5737087
Test Package : MOB 1

Received : 05 Mar 2024
Tested : 05 Mar 2024
Diagnosed : 06 Mar 2024 - Kevin Marson

GFL Environmental - 784 - Saint-Hyacinthe
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 CA J2R 2B2
 Contact: Nadine Authier
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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.