



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
MACK 929129
Component
Front Differential
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		PC0088352	GFL0080937	---
Sample Date		Client Info		30 May 2024	15 Jun 2023	---
Machine Age	hrs	Client Info		8128	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Usure de rondelle de butée et (ou) de palier et (ou) de douille.

Iron	ppm	ASTM D5185(m)	>1200	251	216	---
Chromium	ppm	ASTM D5185(m)	>8	2	2	---
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	---
Titanium	ppm	ASTM D5185(m)	>4	0	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>30	2	2	---
Lead	ppm	ASTM D5185(m)	>25	2	2	---
Copper	ppm	ASTM D5185(m)	>50	▲ 100	▲ 104	---
Tin	ppm	ASTM D5185(m)	>5	1	2	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	LIGHT	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

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

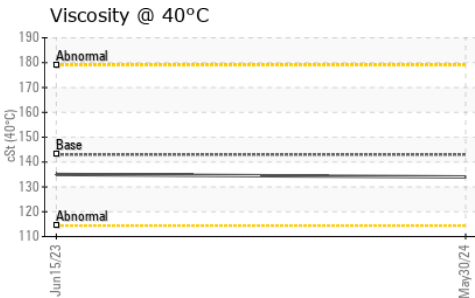
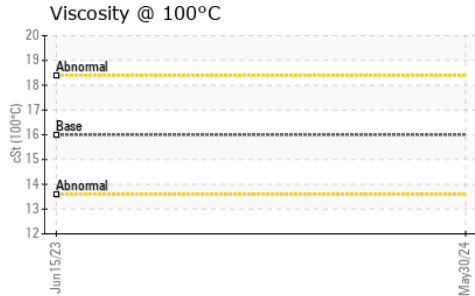
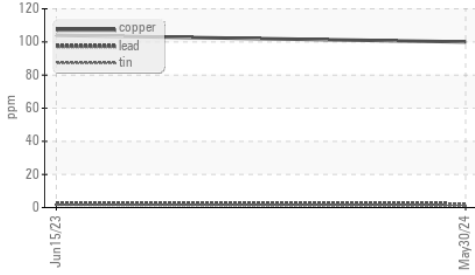
Silicon	ppm	ASTM D5185(m)	>230	36	39	---
Potassium	ppm	ASTM D5185(m)	>20	2	2	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	---

FLUID CONDITION

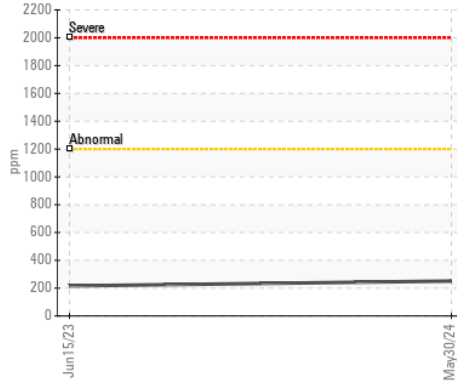
L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)	>170	7	8	---
Boron	ppm	ASTM D5185(m)	400	122	108	---
Barium	ppm	ASTM D5185(m)	200	5	5	---
Molybdenum	ppm	ASTM D5185(m)	12	0	<1	---
Manganese	ppm	ASTM D5185(m)		35	37	---
Magnesium	ppm	ASTM D5185(m)	12	2	2	---
Calcium	ppm	ASTM D5185(m)	150	12	13	---
Phosphorus	ppm	ASTM D5185(m)	1650	1024	1155	---
Zinc	ppm	ASTM D5185(m)	125	16	17	---
Sulfur	ppm	ASTM D5185(m)	22500	17130	18083	---
Visc @ 40°C	cSt	ASTM D7279(m)	143	134	135	---
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	13.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	117	99	---	---

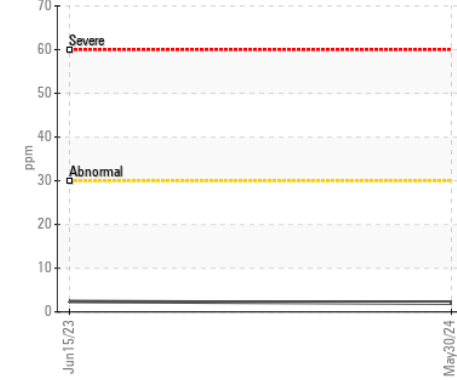
▲ Non-ferrous Metals



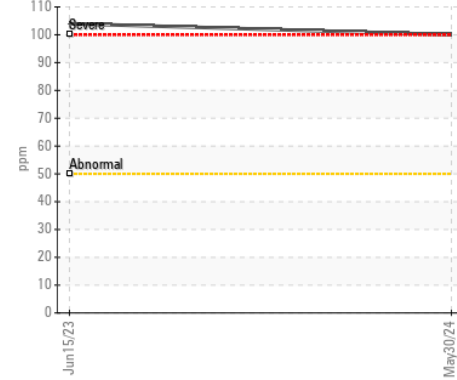
Iron (ppm)



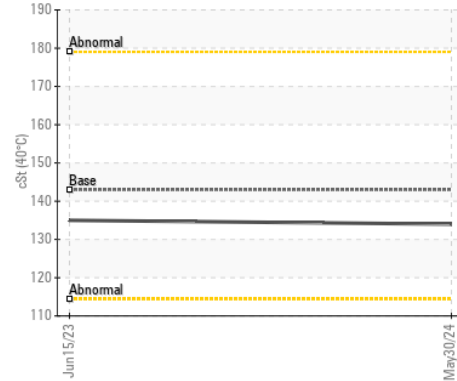
Aluminum (ppm)



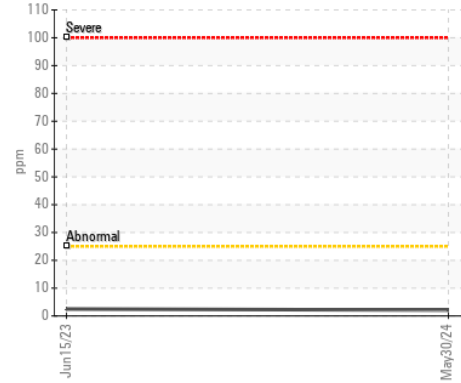
▲ Copper (ppm)



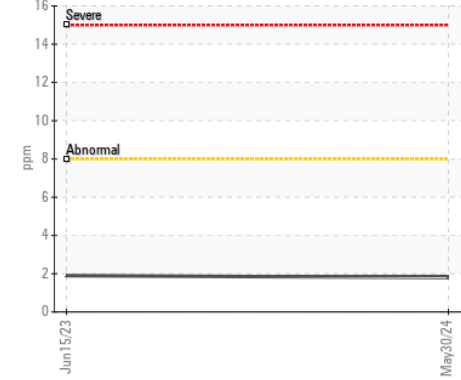
Viscosity @ 40°C



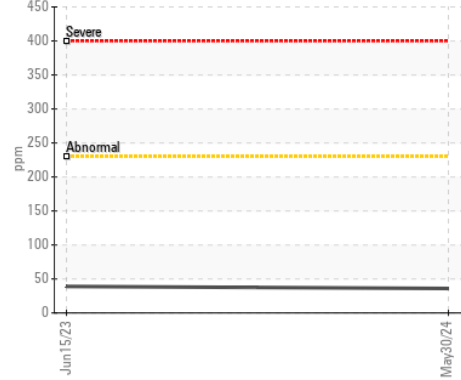
Lead (ppm)



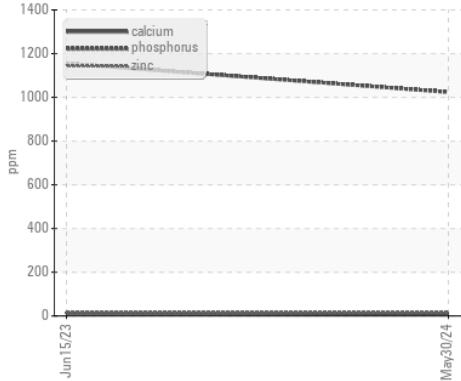
Chromium (ppm)



Silicon (ppm)



Additives



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088352
Lab Number : 02639467
Unique Number : 5788629
Test Package : MOB 1 (Additional Tests: KV100, VI)

GFL Environmental 791MAT - Matane
 29 rue Brilliant
 Matane, QC
 CA G4W 0J7
 Contact: B Berube
 bberube@matrec.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.*