



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
OR1087

Component
1 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		PC0082157	PC0078563	PC0038533
Sample Date		Client Info		30 Apr 2024	25 Oct 2023	06 Dec 2022
Machine Age	hrs	Client Info		5541	51567	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

Usure des engrenages. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

PQ		ASTM D8184*		137	---	135
Iron	ppm	ASTM D5185(m)	>500	▲ 1021	267	▲ 1716
Chromium	ppm	ASTM D5185(m)	>10	6	3	10
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		<1	0	<1
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	26	32	38
Lead	ppm	ASTM D5185(m)	>25	<1	2	2
Copper	ppm	ASTM D5185(m)	>100	32	63	45
Tin	ppm	ASTM D5185(m)	>10	<1	0	2
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

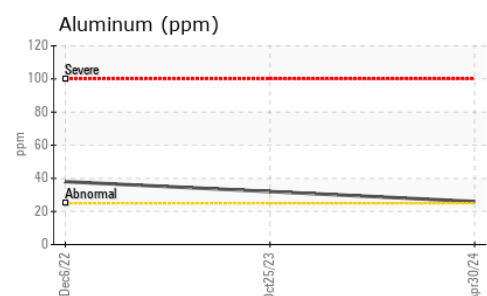
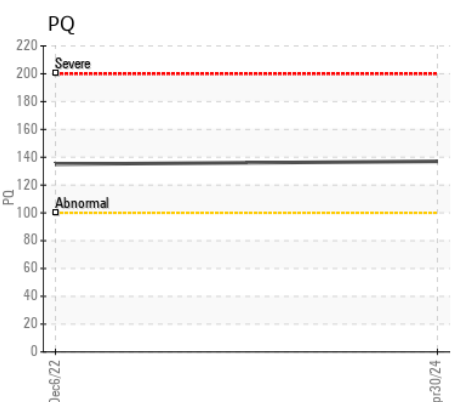
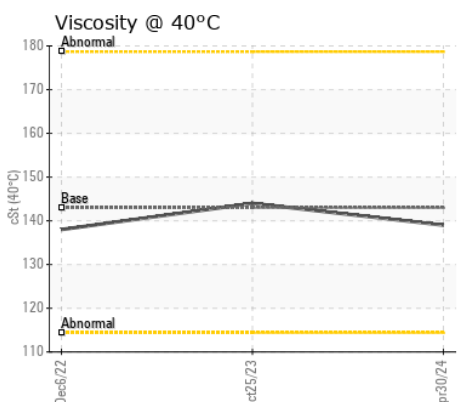
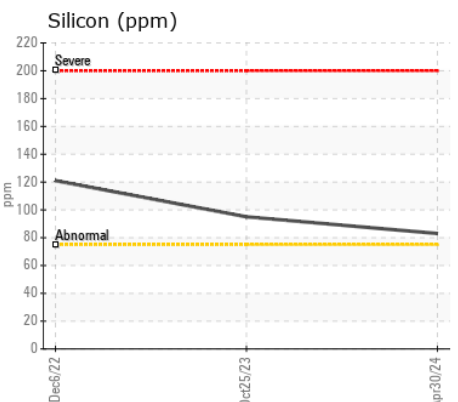
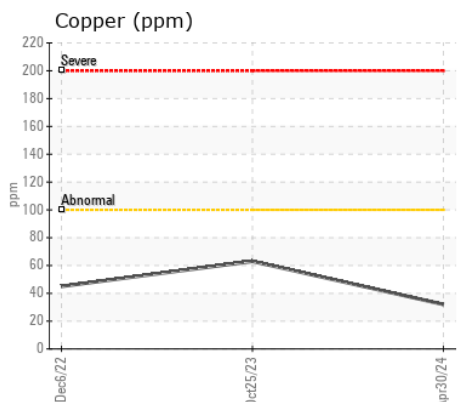
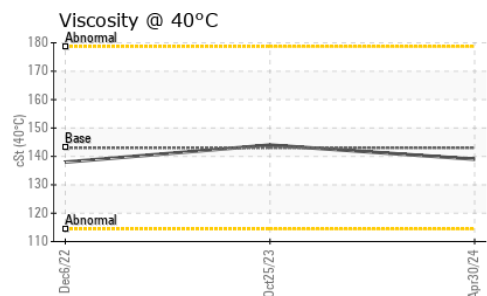
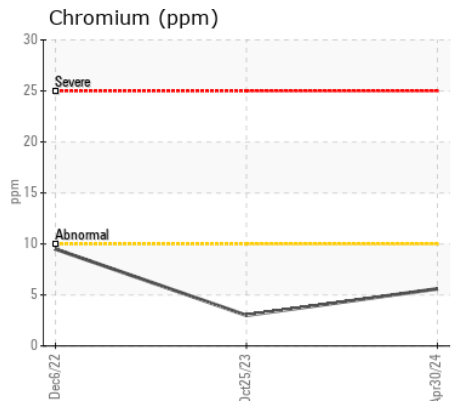
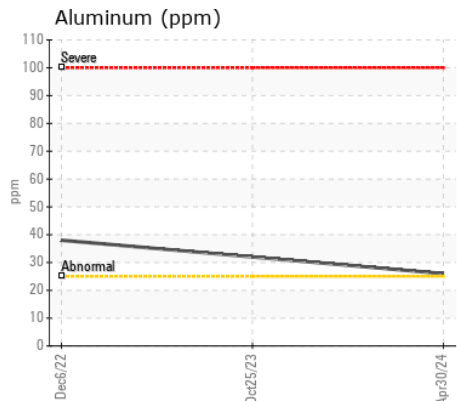
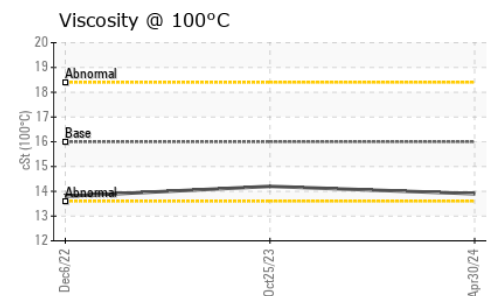
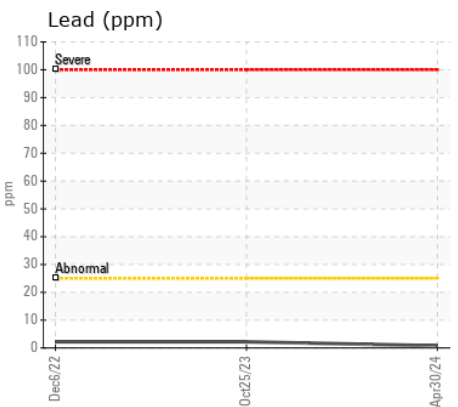
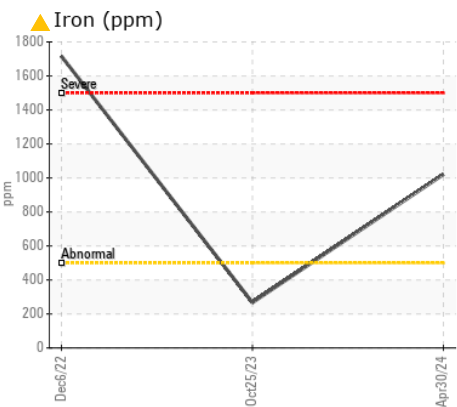
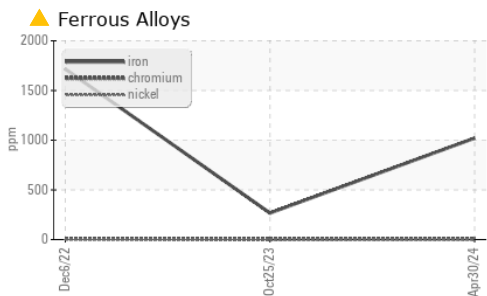
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>75	83	95	121
Potassium	ppm	ASTM D5185(m)	>20	13	6	11
Water		WC Method	>.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	VLITE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	NEG	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	24	17	43
Boron	ppm	ASTM D5185(m)	400	51	95	3
Barium	ppm	ASTM D5185(m)	200	2	<1	2
Molybdenum	ppm	ASTM D5185(m)	12	1	0	4
Manganese	ppm	ASTM D5185(m)		8	3	14
Magnesium	ppm	ASTM D5185(m)	12	6	6	8
Calcium	ppm	ASTM D5185(m)	150	57	23	89
Phosphorus	ppm	ASTM D5185(m)	1650	1272	1290	1529
Zinc	ppm	ASTM D5185(m)	125	48	57	74
Sulfur	ppm	ASTM D5185(m)	22500	24244	26437	26497
Visc @ 40°C	cSt	ASTM D7279(m)	143	139	144	138
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	13.9	14.2	13.8
Viscosity Index (VI)	Scale	ASTM D2270*	117	96	95	95



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082157
Lab Number : 02633201
Unique Number : 5774354
Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)
Received : 03 May 2024
Tested : 06 May 2024
Diagnosed : 06 May 2024 - Kevin Marson

GFL Environmental - 737 - Quebec City Hauling
 6205 Boul. Wilfrid Hamel,
 Quebec City, QC
 CA G2E 5G8
 Contact: Manon Cote
 mcote@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.