



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
910039

Component
1 Differential

Fluid
CASTROL SYNTEC FULL SYNTHETIC 75W90 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier la présence de particules métalliques visibles dans l'huile. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le fluide était spécifié comme CASTROL SYNTEC FULL SYNTHETIC 75W90, toutefois, une comparaison avec d'autres fluides indiquent que ce fluide est du SAE 75W90 Gear Oil. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

WEAR

Présence d'une faible concentration de métal visible. Usure des engrenages.

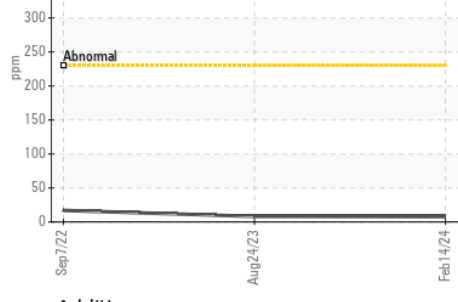
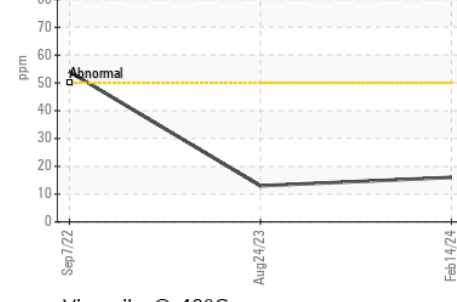
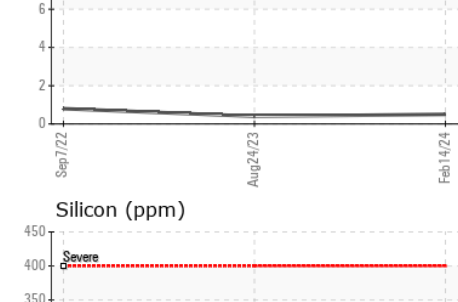
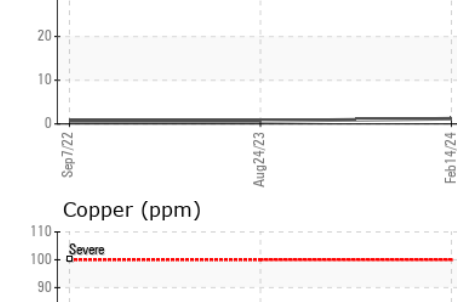
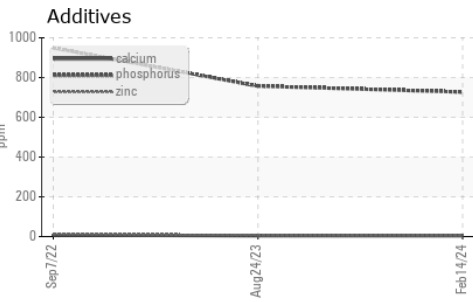
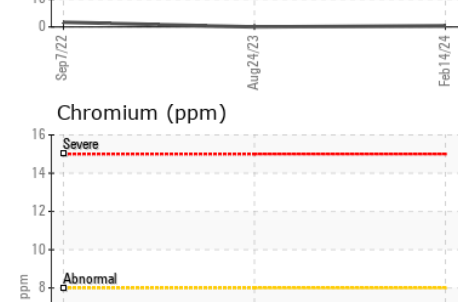
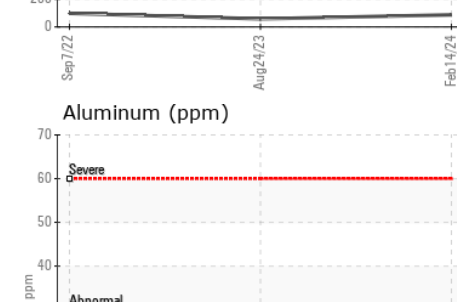
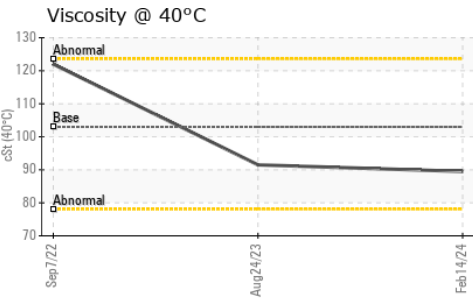
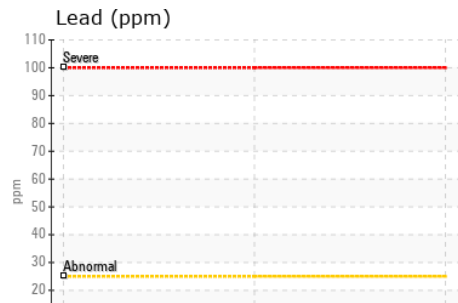
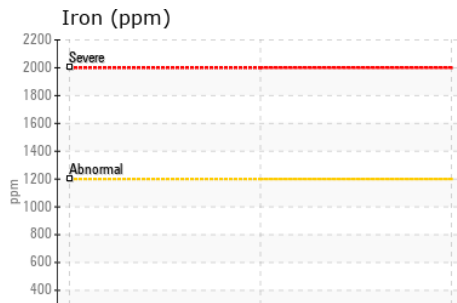
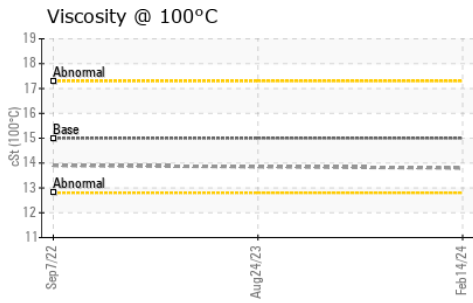
CONTAMINATION

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

FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0073225	WC0836419	PC0042024
Sample Date		Client Info		14 Feb 2024	24 Aug 2023	07 Sep 2022
Machine Age	hrs	Client Info		7452	6585	4785
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>1200	87	58	98
Chromium	ppm	ASTM D5185(m)	>8	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>20	0	0	<1
Titanium	ppm	ASTM D5185(m)	>4	0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	1	<1	<1
Lead	ppm	ASTM D5185(m)	>25	<1	0	2
Copper	ppm	ASTM D5185(m)	>50	16	13	54
Tin	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	▲ LTMOD	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>230	8	8	17
Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		1	2	4
Boron	ppm	ASTM D5185(m)		24	24	103
Barium	ppm	ASTM D5185(m)		<1	<1	2
Molybdenum	ppm	ASTM D5185(m)		0	<1	0
Manganese	ppm	ASTM D5185(m)		13	11	43
Magnesium	ppm	ASTM D5185(m)		1	1	1
Calcium	ppm	ASTM D5185(m)		4	4	8
Phosphorus	ppm	ASTM D5185(m)		727	757	949
Zinc	ppm	ASTM D5185(m)		5	6	13
Sulfur	ppm	ASTM D5185(m)		16711	16498	16969
Visc @ 40°C	cSt	ASTM D7279(m)	103	89.5	91.5	122
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	13.8	---	13.9
Viscosity Index (VI)	Scale	ASTM D2270*	149	157	---	111



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 737 - Quebec City Hauling**
Sample No. : PC0073225 **Received** : 20 Feb 2024 6205 Boul. Wilfrid Hamel,
Lab Number : 02616792 **Tested** : 23 Feb 2024 Quebec City, QC
Unique Number : 5733902 **Diagnosed** : 23 Feb 2024 - Kevin Marson CA G2E 5G8
Test Package : MOB 1 (Additional Tests: Bottom, BottomAnalysis, FilterPatch, KV100, VI) **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.