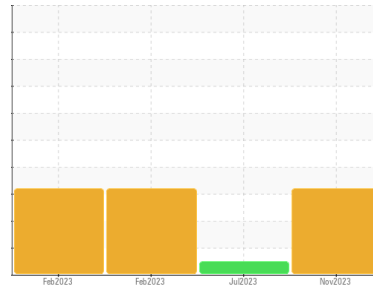




OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
711030
Component
Transmission (Auto)
Fluid
ALLISON TES 295 (--- GAL)

DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. Nous vous recommandons de vidanger le fluide 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.

Wear

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

Contamination

Concentration modérée de saleté dans le fluide. Une grande quantité de saleté a provoqué une usure abrasive du composant.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0088866	GFL0088850	GFL0073430
Sample Date	Client Info	10 Nov 2023	08 Jul 2023	23 Feb 2023
Machine Age	kms Client Info	0	119528	97680
Oil Age	kms Client Info	0	0	0
Oil Changed	Client Info	Not Chngd	Not Chngd	N/A
Sample Status		ABNORMAL	NORMAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184* >75	40	---	22
Iron	ppm ASTM D5185(m) >220	▲ 256	159	▲ 236
Chromium	ppm ASTM D5185(m) >2	<1	<1	<1
Nickel	ppm ASTM D5185(m) >5	<1	<1	1
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m) >5	0	0	0
Aluminum	ppm ASTM D5185(m) >75	▲ 46	61	▲ 88
Lead	ppm ASTM D5185(m) >95	20	51	▲ 100
Copper	ppm ASTM D5185(m) >60	60	73	131
Tin	ppm ASTM D5185(m) >10	4	7	▲ 11
Antimony	ppm ASTM D5185(m) >2	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 150	69	92	123
Barium	ppm ASTM D5185(m) 0	0	<1	<1
Molybdenum	ppm ASTM D5185(m) 0	0	<1	<1
Manganese	ppm ASTM D5185(m)	2	2	3
Magnesium	ppm ASTM D5185(m) 0	1	5	1
Calcium	ppm ASTM D5185(m) 40	127	129	136
Phosphorus	ppm ASTM D5185(m) 320	225	289	373
Zinc	ppm ASTM D5185(m) 5	6	12	10
Sulfur	ppm ASTM D5185(m) 1050	1608	1664	1919
Lithium	ppm ASTM D5185(m)	<1	<1	<1

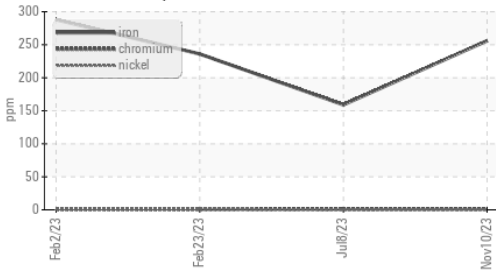
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	▲ 50	13	18
Sodium	ppm ASTM D5185(m)	6	7	11
Potassium	ppm ASTM D5185(m) >20	2	4	5

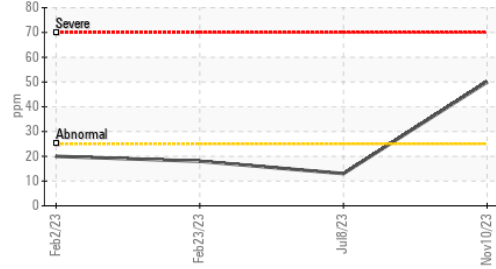


OIL ANALYSIS REPORT

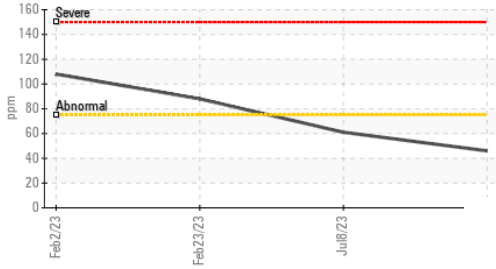
▲ Ferrous Alloys



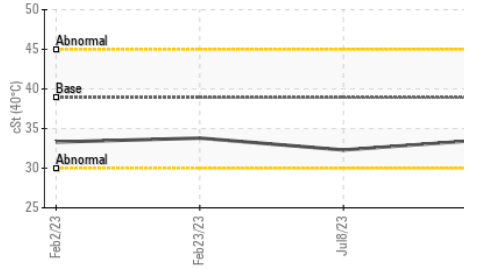
▲ Silicon (ppm)



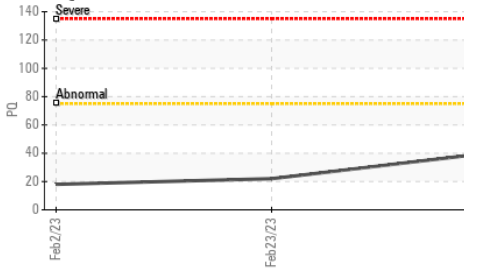
Aluminum (ppm)



Viscosity @ 40°C



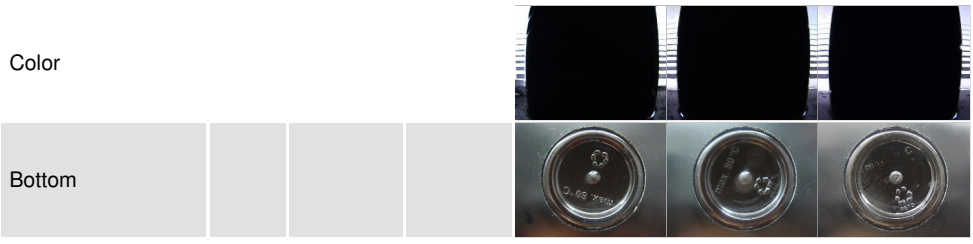
PQ



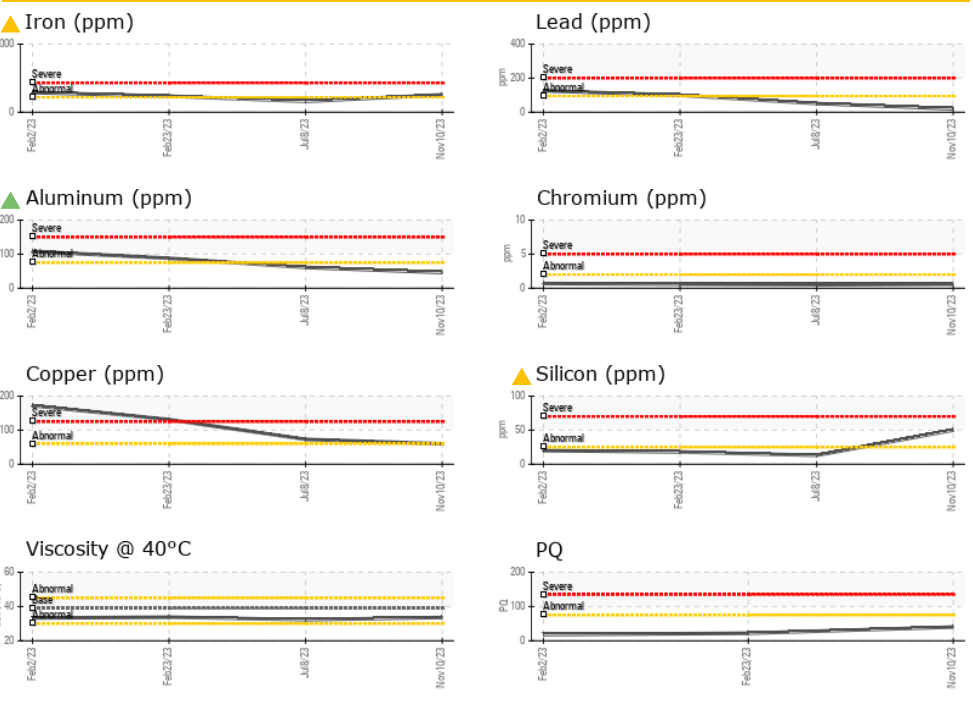
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	33.6	32.3

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0088866 **Received** : 20 Dec 2023
Lab Number : 02604469 **Diagnosed** : 20 Dec 2023
Unique Number : 5697554 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: PQ)
 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.

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