



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL



Machine Id
701052
Component
Diesel Engine
Fluid
RDL-3647 (--- GAL)

RECOMMENDATION

Aucune mesure corrective n'est recommandée pour l'instant. Confirmer the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide était spécifié comme RDL-3647, toutefois, une comparaison avec d'autres fluides indiqu que ce fluide est du SAE 30 Diesel Engine Oil. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

WEAR

Les taux d'usure de tous les composants sont normaux.

CONTAMINATION

La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans l'huile.

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. Ceci, en plus des niveaux d'additifs, indique que la marque ou le type d'huile ne correspond pas à ce qui a été signalé. L'état de l'huile est acceptable pour la durée de service.

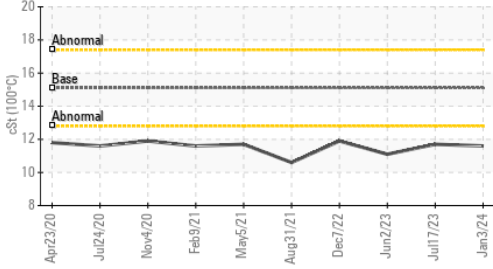
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107601	GFL0087547	GFL0079480
Sample Date		Client Info		03 Jan 2024	17 Jul 2023	02 Jun 2023
Machine Age	kms	Client Info		189850	176233	12572
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185(m)	>65	8	5	15
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	2
Nickel	ppm	ASTM D5185(m)	>3	<1	0	0
Titanium	ppm	ASTM D5185(m)	>5	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>35	5	2	9
Lead	ppm	ASTM D5185(m)	>10	0	0	0
Copper	ppm	ASTM D5185(m)	>180	<1	2	2
Tin	ppm	ASTM D5185(m)	>8	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

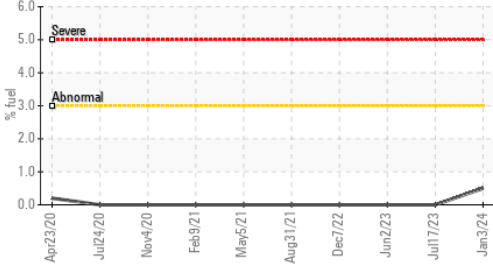
Silicon	ppm	ASTM D5185(m)	>15	3	2	4
Potassium	ppm	ASTM D5185(m)	>20	2	2	11
Fuel	%	ASTM D7593*	>3.0	0.5	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.2	0	0.4
Nitration	Abs/cm	ASTM D7624*	>20	5.5	5.0	7.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.4	18.0	18.7
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185(m)		1	1	2
Boron	ppm	ASTM D5185(m)	50	2	4	20
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	57	57	66
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	560	940	917	602
Calcium	ppm	ASTM D5185(m)	1510	1078	1079	1329
Phosphorus	ppm	ASTM D5185(m)	780	1030	1075	1009
Zinc	ppm	ASTM D5185(m)	870	1171	1166	1108
Sulfur	ppm	ASTM D5185(m)	2040	2781	2646	2636
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.6	12.9	13.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	▲ 11.6	11.7	11.1

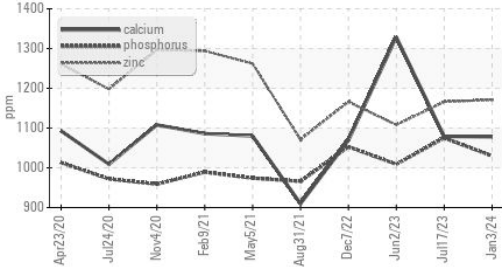
▲ Viscosity @ 100°C



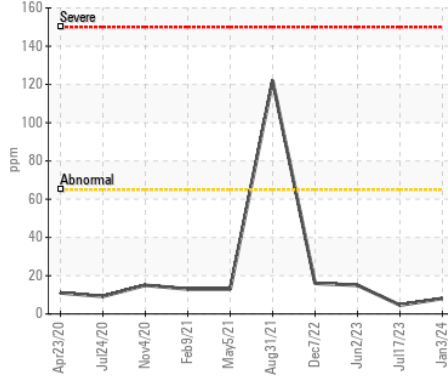
Fuel Dilution



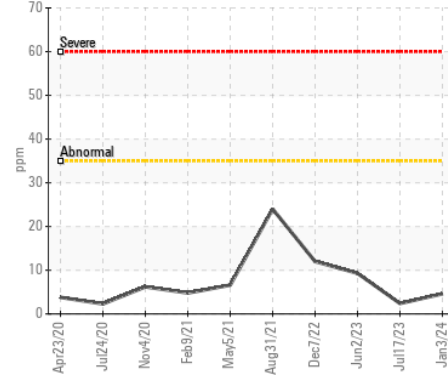
Additives



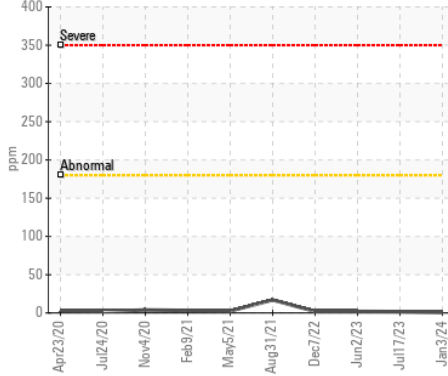
Iron (ppm)



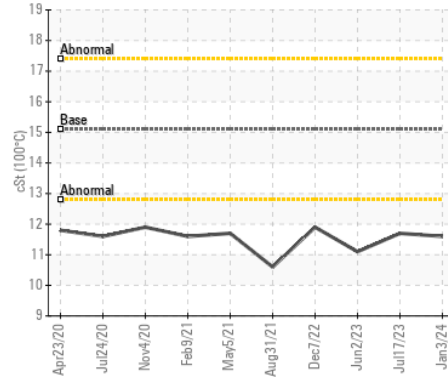
Aluminum (ppm)



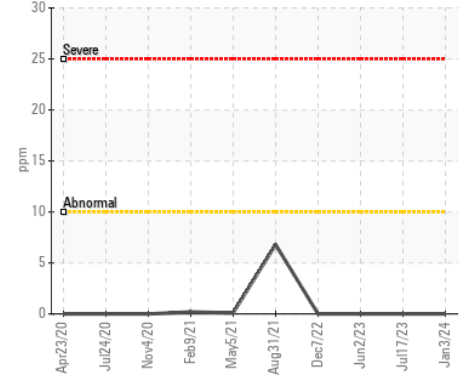
Copper (ppm)



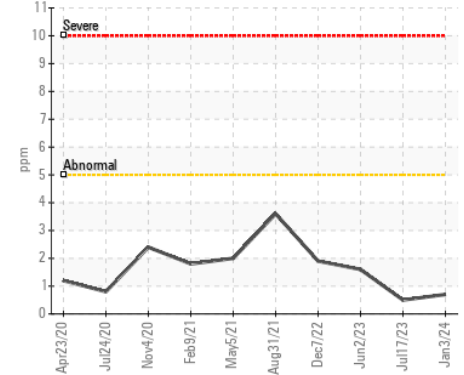
▲ Viscosity @ 100°C



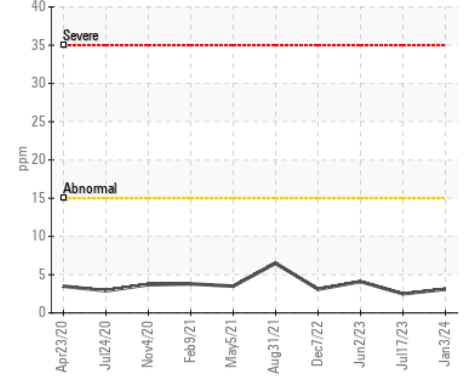
Lead (ppm)



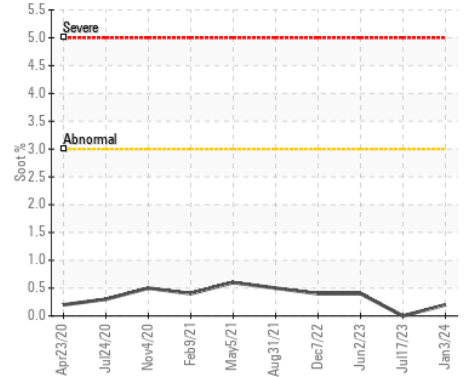
Chromium (ppm)



Silicon (ppm)



Soot %



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 747 - GMA - Solid Waste
Sample No. : GFL0107601 **Received** : 09 Jan 2024
Lab Number : 02607384 **Diagnosed** : 10 Jan 2024
Unique Number : 5708470 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

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.

Contact: Steve Voyer
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