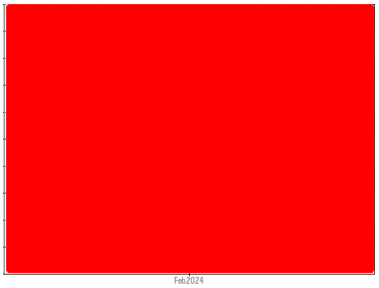
OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id
EX0363
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier tous les endroits par lesquels des contaminants peuvent pénétrer dans le système. Nous vous recommandons de remplacer le filtre et d`utiliser un système de filtrage hors-ligne afin d`améliorer la propreté du fluide. Le reniflard d`air doit être réparé. S`il n`est pas classé, nous vous recommandons de le remplacer par un reniflard à air adapté au micron et / ou au dessicant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon. Le contaminant anormal pourrait être dû à une mauvaise technique d`échantillonnage. AVIS DE NON-RESPONSABILITÉ: L'interprétation des résultats est basée sur l'échantillon reçu du client. La provenance de l'échantillon et la méthode d'échantillonnage ne peut être vérifiée.

Wear

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

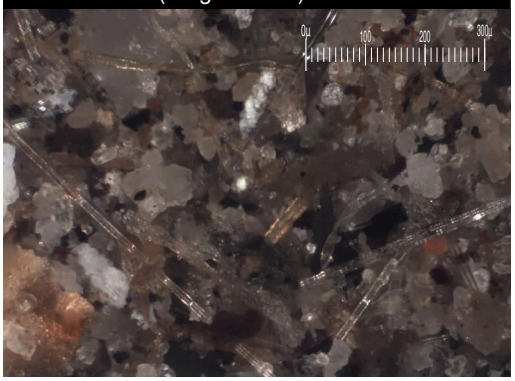
Contamination

Il y a une quantité élevée de matières particulaires (2 à 100 µm de taille) présente dans l`huile. Il y a une concentration modérée de la saleté et débris visible, présente dans l`huile.

Fluid Condition

l`huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

Particle Filter (Magn: 100 x)



SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**GFL0067507**	---	---
Sample Date		Client Info		**12 Feb 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**SEVERE**	---	---

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

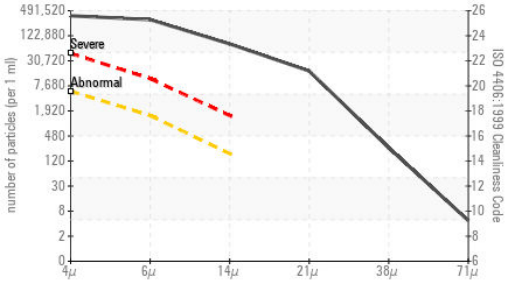
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		**16**	---	---
Iron	ppm	ASTM D5185(m)	>20	**26**	---	---
Chromium	ppm	ASTM D5185(m)	>10	**1**	---	---
Nickel	ppm	ASTM D5185(m)	>10	**<1**	---	---
Titanium	ppm	ASTM D5185(m)		**0**	---	---
Silver	ppm	ASTM D5185(m)		**0**	---	---
Aluminum	ppm	ASTM D5185(m)	>10	**4**	---	---
Lead	ppm	ASTM D5185(m)	>10	**<1**	---	---
Copper	ppm	ASTM D5185(m)	>75	**<1**	---	---
Tin	ppm	ASTM D5185(m)	>10	**0**	---	---
Antimony	ppm	ASTM D5185(m)		**0**	---	---
Vanadium	ppm	ASTM D5185(m)		**0**	---	---
Beryllium	ppm	ASTM D5185(m)		**0**	---	---
Cadmium	ppm	ASTM D5185(m)		**0**	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	**<1**	---	---
Barium	ppm	ASTM D5185(m)	5	**0**	---	---
Molybdenum	ppm	ASTM D5185(m)	5	**<1**	---	---
Manganese	ppm	ASTM D5185(m)		**0**	---	---
Magnesium	ppm	ASTM D5185(m)	25	**23**	---	---
Calcium	ppm	ASTM D5185(m)	200	**294**	---	---
Phosphorus	ppm	ASTM D5185(m)	300	**392**	---	---
Zinc	ppm	ASTM D5185(m)	370	**507**	---	---
Sulfur	ppm	ASTM D5185(m)	2500	**1060**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

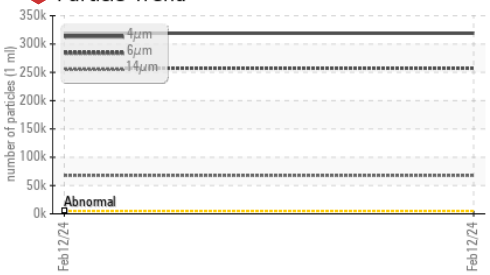
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	**10**	---	---
Sodium	ppm	ASTM D5185(m)		**<1**	---	---
Potassium	ppm	ASTM D5185(m)	>20	**2**	---	---

OIL ANALYSIS REPORT

Particle Count

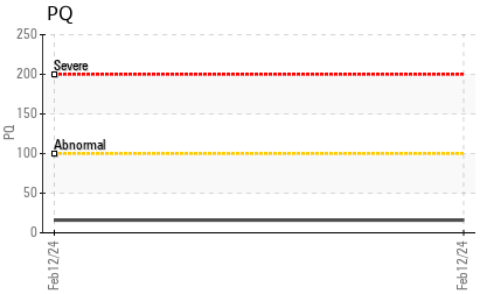


Particle Trend



Viscosity @ 40°C

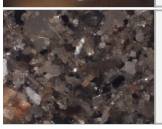
PQ



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	**319096**	---	---
Particles >6µm	ASTM D7647	>1300	**257259**	---	---
Particles >14µm	ASTM D7647	>160	**67570**	---	---
Particles >21µm	ASTM D7647	>40	**15181**	---	---
Particles >38µm	ASTM D7647	>10	**219**	---	---
Particles >71µm	ASTM D7647	>3	**4**	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	**25/25/23**	---	---

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46	**41.5**	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*
PrtFilter				*no image*	*no image*

ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0067507
Lab Number : 02615691
Unique Number : 5724786
Test Package : MOB 1 (Additional Tests: BottomAnalysis, FILTERPATCH, PQ, PrtCount, PrtFilter)

Received : 14 Feb 2024
Tested : 20 Feb 2024
Diagnosed : 20 Feb 2024 - Kevin Marson

GFL Environmental - 743 - Montreal Est CD Processing
10930 rue Sherbrooke
Montreal, QC
CA H1B 1B4
Contact: Patrick Beaulieu
patrick.beaulieu@gflenv.com
T:
F:

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.