



OIL ANALYSIS REPORT

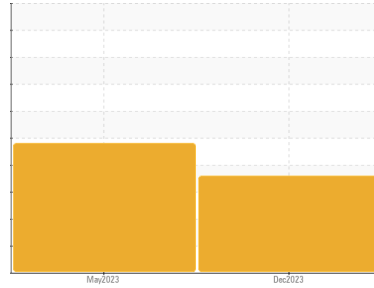
Sample Rating Trend

ISO



Area
CAPLAN
Machine Id
#427150

Component
Center Right Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 32 (208 LTR)



DIAGNOSIS

Recommendation

Vérifier les scelles et/ou les filters pour des points d'entrée des contaminants. 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. Nous recommandons le remplacement des filtres de ce composant. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation.

Wear

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

Contamination

Il y a une grande quantité de limon (particules de 4 à 14 microns) dans l'huile.

Fluid Condition

L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0091129	GFL0079114	---
Sample Date	Client Info		21 Dec 2023	27 May 2023	---
Machine Age	hrs	Client Info	25794	25235	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			SEVERE	SEVERE	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	19	▲ 23	---
Chromium	ppm	ASTM D5185(m) >10	4	5	---
Nickel	ppm	ASTM D5185(m) >10	<1	0	---
Titanium	ppm	ASTM D5185(m)	0	<1	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m) >10	6	5	---
Lead	ppm	ASTM D5185(m) >10	2	0	---
Copper	ppm	ASTM D5185(m) >75	2	2	---
Tin	ppm	ASTM D5185(m) >10	0	0	---
Antimony	ppm	ASTM D5185(m)	0	<1	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 5	9	9	---
Barium	ppm	ASTM D5185(m) 5	0	0	---
Molybdenum	ppm	ASTM D5185(m) 5	4	4	---
Manganese	ppm	ASTM D5185(m)	0	<1	---
Magnesium	ppm	ASTM D5185(m) 25	22	22	---
Calcium	ppm	ASTM D5185(m) 200	225	229	---
Phosphorus	ppm	ASTM D5185(m) 300	412	448	---
Zinc	ppm	ASTM D5185(m) 370	510	510	---
Sulfur	ppm	ASTM D5185(m) 2500	1385	1117	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

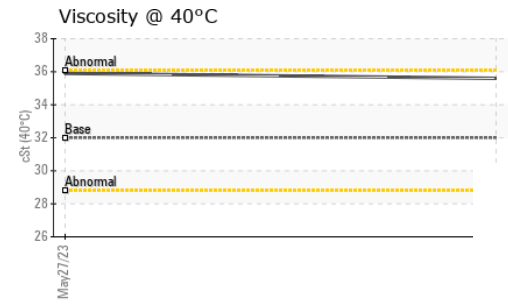
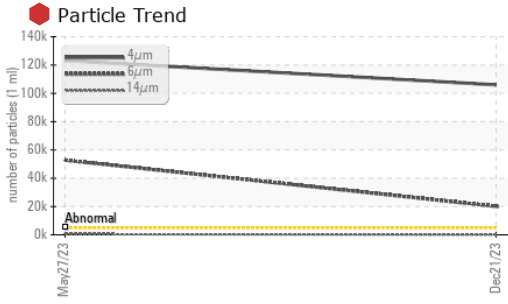
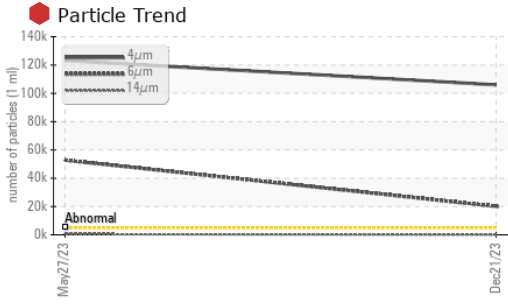
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	7	7	---
Sodium	ppm	ASTM D5185(m)	4	4	---
Potassium	ppm	ASTM D5185(m) >20	4	3	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	● 105959	● 123134	---
Particles >6µm	ASTM D7647	>1300	● 20116	● 52755	---
Particles >14µm	ASTM D7647	>160	87	▲ 454	---
Particles >21µm	ASTM D7647	>40	6	16	---
Particles >38µm	ASTM D7647	>10	1	0	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	● 24/22/14	● 24/23/16	---



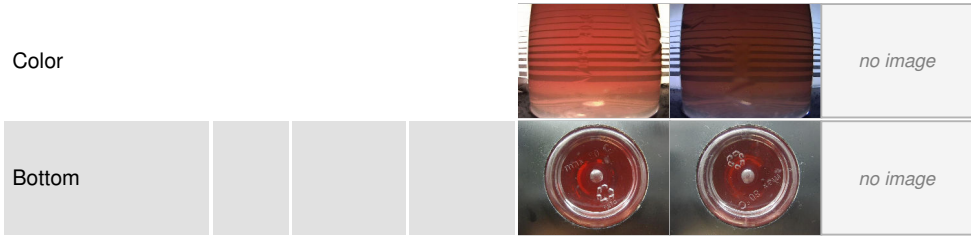
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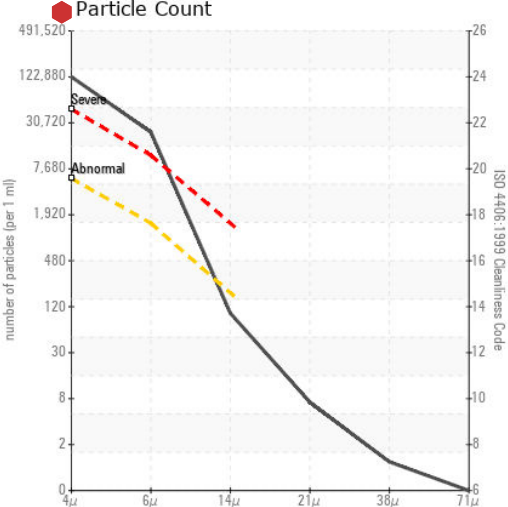
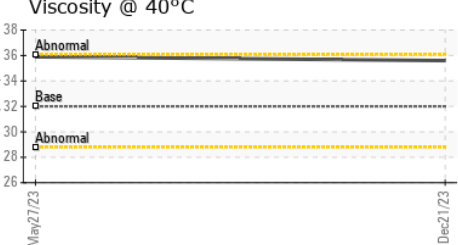
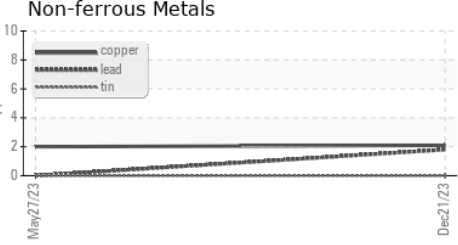
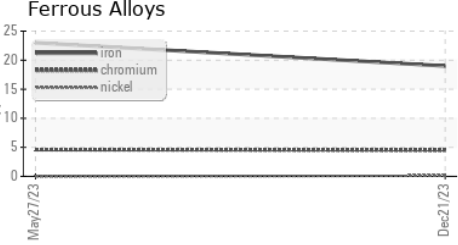
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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)	32	35.6	35.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0091129 **Received** : 27 Dec 2023
Lab Number : 02605313 **Diagnosed** : 28 Dec 2023
Unique Number : 5698398 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: PrtCount)

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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