



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	SEVERE

Machine Id
ORBIT FOREUSE UE-77
Component
Hydraulic System
Fluid
APRIL SUPERFLO BIO-SYN HEES 46 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. À NOTER: S.V.P. inclure, avec le prochain échantillon, des détails de la capacité du réservoir et le type et le degré de filtration.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASF000397	---	---
Sample Date		Client Info		09 May 2024	---	---
Machine Age	mths	Client Info		0	---	---
Oil Age	mths	Client Info		0	---	---
Filter Age	mths	Client Info		0	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				SEVERE	---	---

WEAR

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

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185(m)	>20	▲ 33	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>20	0	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	---	---
Lead	ppm	ASTM D5185(m)	>20	0	---	---
Copper	ppm	ASTM D5185(m)	>20	10	---	---
Tin	ppm	ASTM D5185(m)	>20	4	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

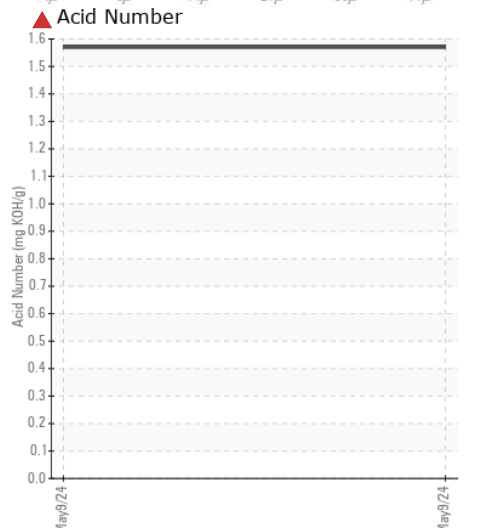
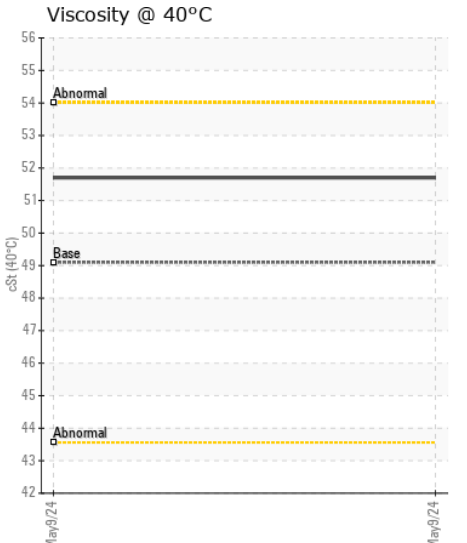
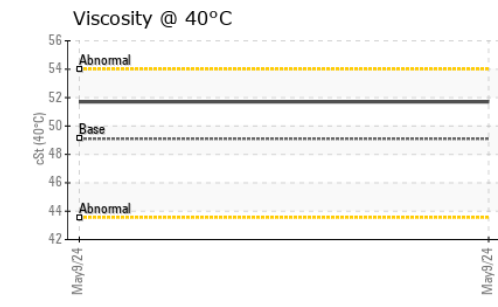
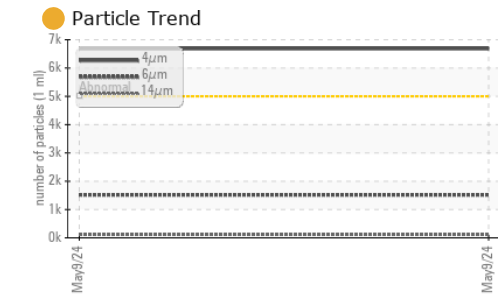
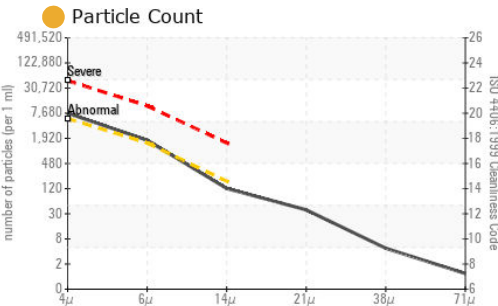
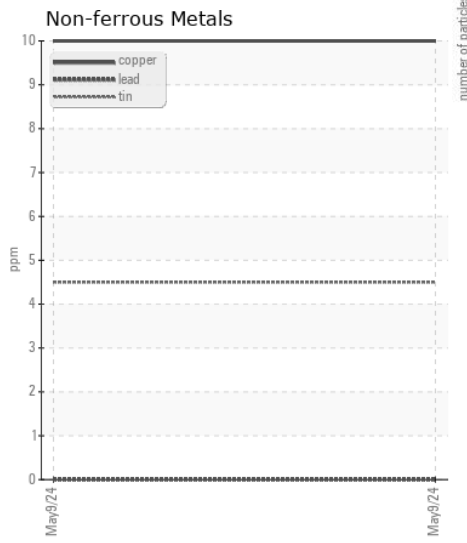
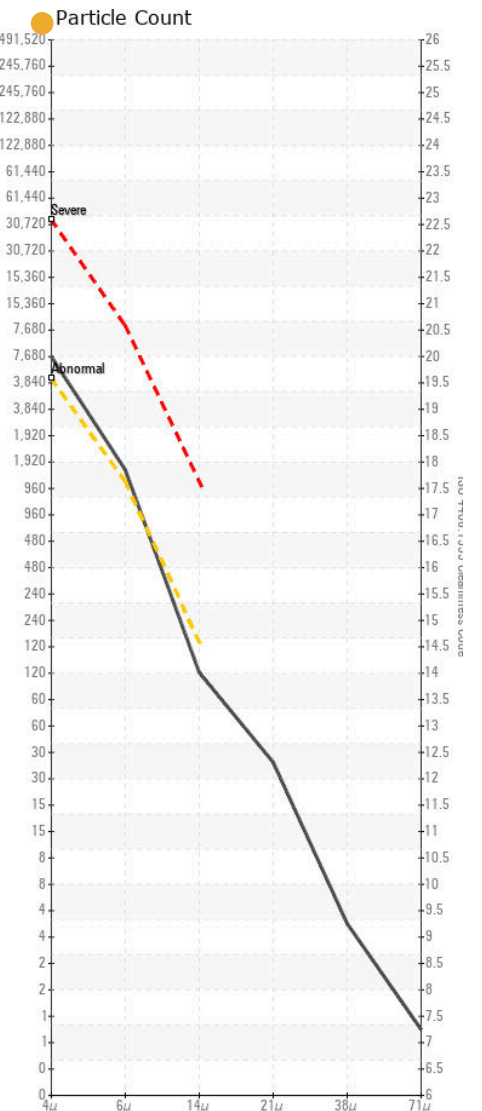
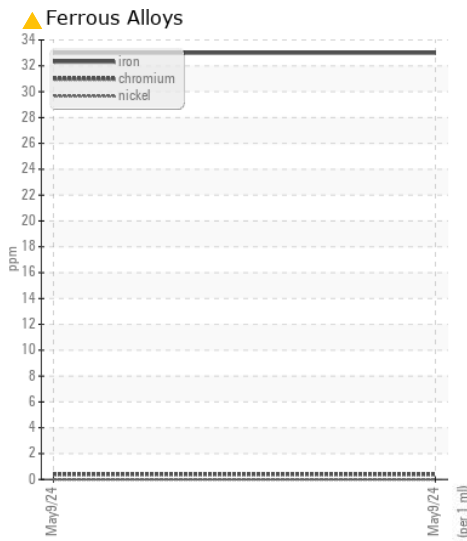
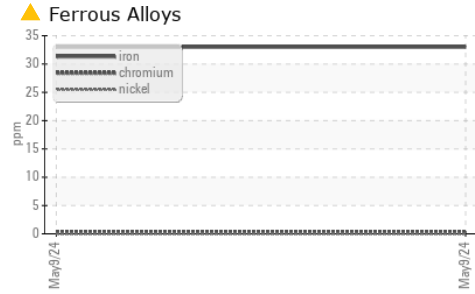
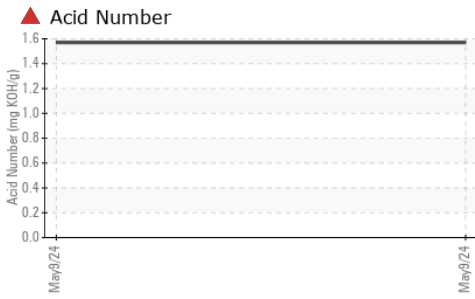
Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile.

Silicon	ppm	ASTM D5185(m)	>15	0	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Water		WC Method	>0.05	NEG	---	---
Particles >4µm		ASTM D7647	>5000	● 6683	---	---
Particles >6µm		ASTM D7647	>1300	● 1516	---	---
Particles >14µm		ASTM D7647	>160	107	---	---
Particles >21µm		ASTM D7647	>40	33	---	---
Particles >38µm		ASTM D7647	>10	4	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	● 20/18/14	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.05	NEG	---	---

FLUID CONDITION

Le niveau élevé de AN de l'huile indique la présence de produits oxypolymérisants. Le niveau de AN est beaucoup plus élevé que la limite recommandée. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	0.5	2	---	---
Barium	ppm	ASTM D5185(m)	0.0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0.0	0	---	---
Manganese	ppm	ASTM D5185(m)	0.1	<1	---	---
Magnesium	ppm	ASTM D5185(m)	0.3	5	---	---
Calcium	ppm	ASTM D5185(m)	0.8	33	---	---
Phosphorus	ppm	ASTM D5185(m)	0.9	18	---	---
Zinc	ppm	ASTM D5185(m)	0.2	52	---	---
Sulfur	ppm	ASTM D5185(m)	1058	1072	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		▲ 1.57	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	49.1	51.7	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : ASF0000397 **Received** : 21 May 2024
Lab Number : 02636621 **Tested** : 22 May 2024
Unique Number : 5785783 **Diagnosed** : 22 May 2024 - Bill Quesnel
Test Package : IND 2 (Additional Tests: PQ)

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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.