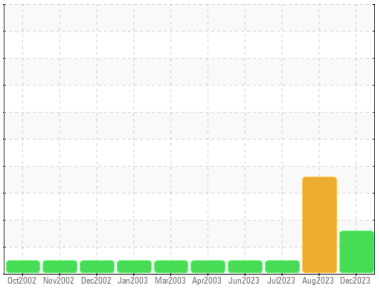
PROBLEM SUMMARY

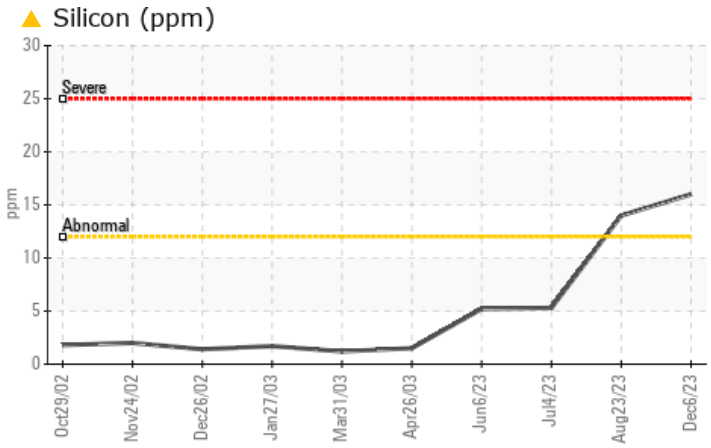
Sample Rating Trend



DIRT

Machine Id
EG001
Component
Air Compressor
Fluid
SUMMIT FG-200 ISO 46 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	NORMAL
Silicon	ppm	ASTM D5185(m)	>12	▲ **16**	14	5

Customer Id: CAR790CHA
Sample No.: WC0879181
Lab Number: 02601579
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

WATER

23 Aug 2023 Diag: Kevin Marson

Nous vous recommandons de vérifier la source de l`infiltration d`eau. 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 vous recommandons de suivre la procédure de vidange d`eau de ce composant. 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.Les taux d`usure de tous les composants sont normaux. Présence d'eau libre. Le résidu blanc présent dans l`échantillon est un précipité des additifs de l`huile. Le AN est acceptable pour ce fluide. l`huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

view report

NORMAL

04 Jul 2023 Diag: Kevin Marson

Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.Les taux d`usure de tous les composants sont normaux. La teneur en eau est négligeable. Il n`y a aucun indice de contamination dans l`huile. Le AN est acceptable pour ce fluide. L`état de l`huile permet d`en prolonger l`utilisation.

view report

NORMAL

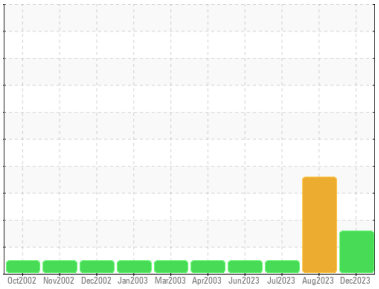
06 Jun 2023 Diag: Kevin Marson

Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.Les taux d`usure de tous les composants sont normaux. La teneur en eau est négligeable. Il n`y a aucun indice de contamination dans l`huile. Le AN est acceptable pour ce fluide. L`état de l`huile permet d`en prolonger l`utilisation.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

Machine Id
EG001
Component
Air Compressor
Fluid
SUMMIT FG-200 ISO 46 (--- GAL)

DIAGNOSIS

Recommendation
Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

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

Contamination
High silicon level indicates possible contamination with silicone-based oil or silicone-based fitting compound/grease. Advise investigate any possible cross-contamination with silicone-based oil, or any points that are sealed/greased with silicone-based compound/grease.

Fluid Condition
Le AN est acceptable pour ce fluide.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0879181**	WC0848587	WC0831696
Sample Date		Client Info		**06 Dec 2023**	23 Aug 2023	04 Jul 2023
Machine Age	hrs	Client Info		**90273**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	ABNORMAL	NORMAL

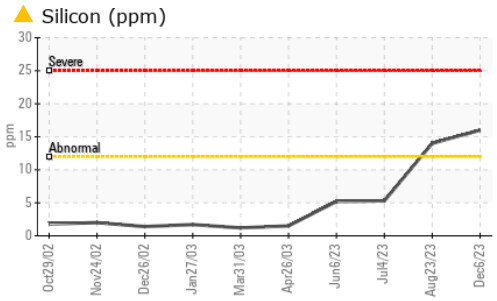
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		**0**	0	0
Iron	ppm	ASTM D5185(m)	>70	**0**	0	0
Chromium	ppm	ASTM D5185(m)	>15	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>6	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)		**<1**	0	0
Aluminum	ppm	ASTM D5185(m)	>10	**0**	<1	0
Lead	ppm	ASTM D5185(m)	>20	**0**	0	0
Copper	ppm	ASTM D5185(m)	>80	**<1**	<1	0
Tin	ppm	ASTM D5185(m)	>15	**0**	0	0
Antimony	ppm	ASTM D5185(m)		**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

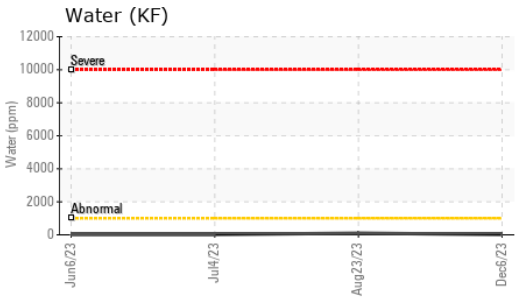
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**<1**	0	<1
Barium	ppm	ASTM D5185(m)		**<1**	0	0
Molybdenum	ppm	ASTM D5185(m)		**0**	0	0
Manganese	ppm	ASTM D5185(m)		**0**	0	0
Magnesium	ppm	ASTM D5185(m)		**0**	<1	0
Calcium	ppm	ASTM D5185(m)		**0**	<1	<1
Phosphorus	ppm	ASTM D5185(m)		**16**	17	16
Zinc	ppm	ASTM D5185(m)		**1**	1	1
Sulfur	ppm	ASTM D5185(m)		**29**	28	25
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

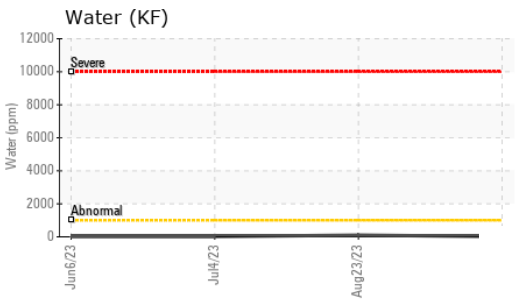
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>12	▲ **16**	14	5
Sodium	ppm	ASTM D5185(m)		**<1**	0	0
Potassium	ppm	ASTM D5185(m)	>20	**<1**	0	0
Water	%	ASTM D6304*	>0.1	**0.001**	0.010	0.001
ppm Water	ppm	ASTM D6304*	>1000	**7**	105.8	9.2

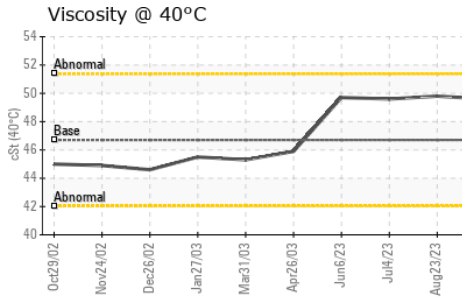
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		**0.08**	0.10	0.21

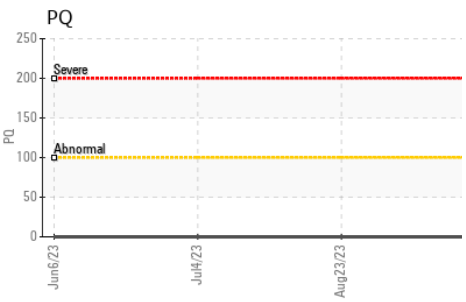
OIL ANALYSIS REPORT







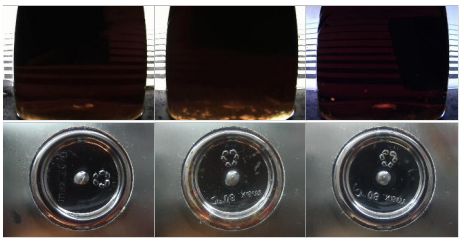




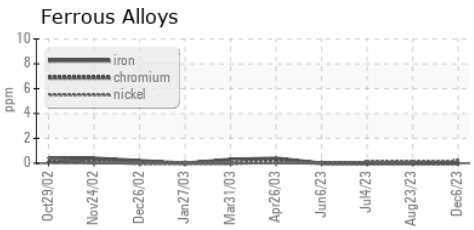
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	▲ LIGHT	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Appearance	scalar	Visual*	NORML	**NORML**	▲ WGOIL	NORML
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	**NEG**	.5%	NEG
Free Water	scalar	Visual*		**NEG**	▲ 1%	NEG

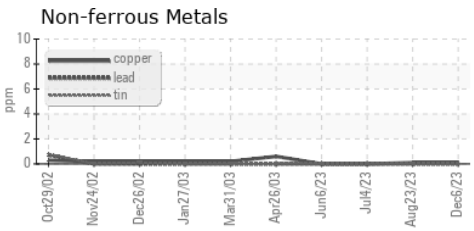
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46.7	**49.6**	49.8	49.6

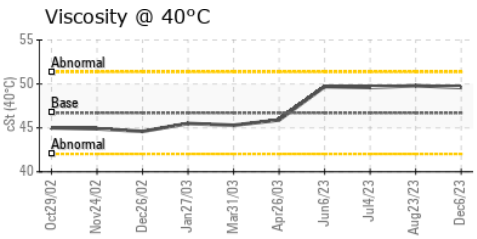
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

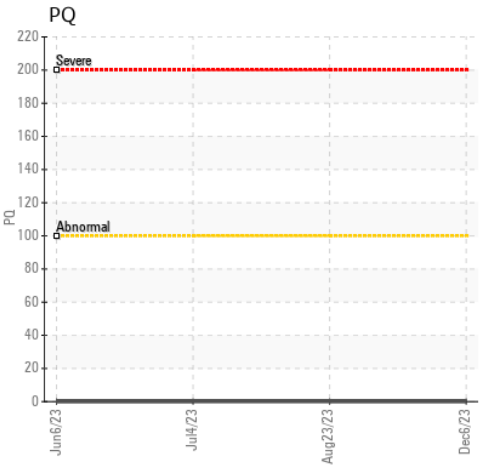


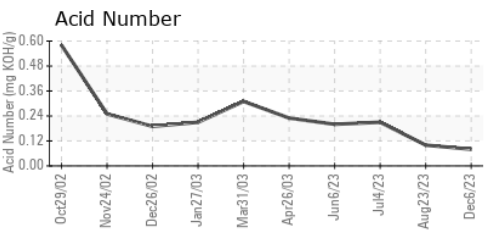
GRAPHS











ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Chambly QC CA CSRDY 1019 Cargill Limited**
Sample No. : WC0879181 **Received** : 07 Dec 2023
Lab Number : 02601579 **Diagnosed** : 08 Dec 2023
Unique Number : 5694664 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KF)

7901 Rue Samuel Hatt
Chambley, QC
CA J3L 6V7
Contact: Sylvain Benjamin
sylvain_benjamin@cargill.com
T: (450)447-4649
F: (450)447-4512

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.