

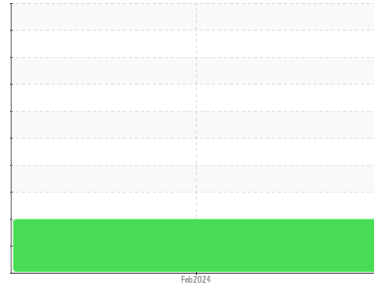
PROBLEM SUMMARY

Sample Rating Trend

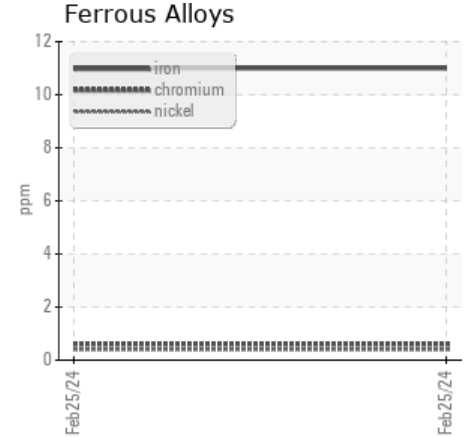
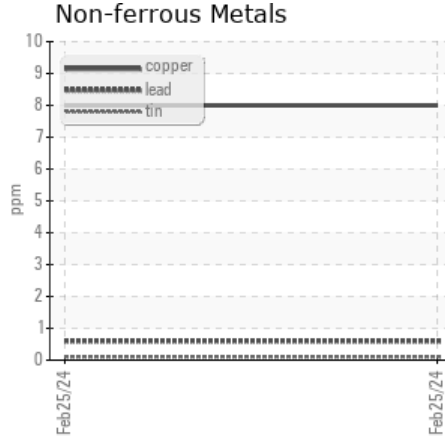
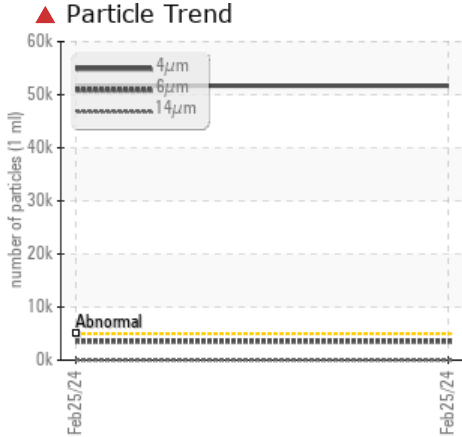
ISO



Area
(L566056-6)
Machine Id
STERLING 03-01 (S/N 2FZHAZAS93AL64305)
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 32 (195 GAL)



COMPONENT CONDITION SUMMARY



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 dessiccant. 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. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	---	---
Particles >4µm	ASTM D7647	>5000	▲ 51693	---	---
Particles >6µm	ASTM D7647	>1300	▲ 3545	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 23/19/11	---	---

Customer Id: SEM125SAI
Sample No.: PC0057460
Lab Number: 02622003
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
Change Filter	---	---	?	We recommend you service the filters on this component.
Resample	---	---	?	Resample in 30-45 days to monitor this situation.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.
Check Breathers	---	---	?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.

HISTORICAL DIAGNOSIS

Area
(L566056-6)
Machine Id
STERLING 03-01 (S/N 2FZHAZAS93AL64305)
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 32 (195 GAL)



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. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

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
Le AN est acceptable pour ce fluide. 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	PC0057460	---	---
Sample Date	Client Info	25 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	>0.05	NEG	---	---
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WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>20	11	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>20	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	2	---	---
Lead	ppm	ASTM D5185(m)	>20	<1	---	---
Copper	ppm	ASTM D5185(m)	>20	8	---	---
Tin	ppm	ASTM D5185(m)	>20	<1	---	---
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	4	---	---
Barium	ppm	ASTM D5185(m)	5	4	---	---
Molybdenum	ppm	ASTM D5185(m)	5	1	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	25	15	---	---
Calcium	ppm	ASTM D5185(m)	200	278	---	---
Phosphorus	ppm	ASTM D5185(m)	300	402	---	---
Zinc	ppm	ASTM D5185(m)	370	399	---	---
Sulfur	ppm	ASTM D5185(m)	2500	1887	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

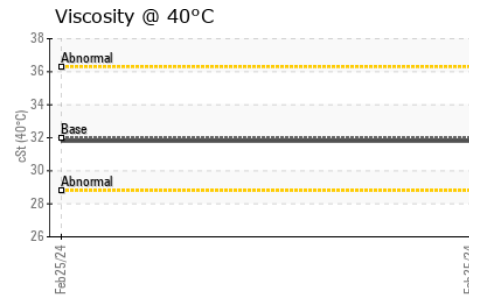
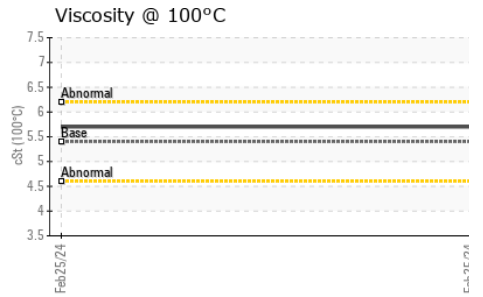
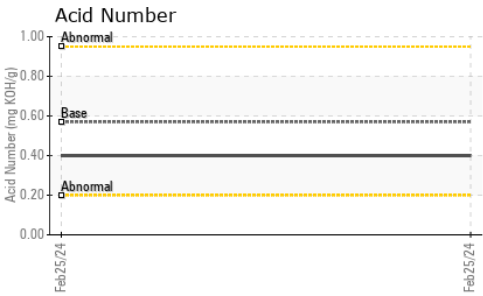
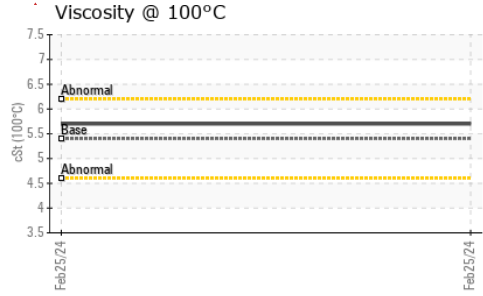
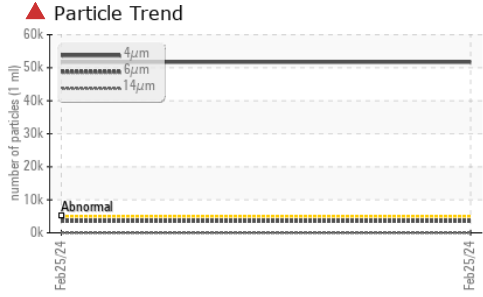
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	>15	2	---	---
Sodium	ppm	ASTM D5185(m)		2	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---

FLUID CLEANLINESS method limit/base current history1 history2

Particles >4µm	ASTM D7647	>5000	▲ 51693	---	---
Particles >6µm	ASTM D7647	>1300	▲ 3545	---	---
Particles >14µm	ASTM D7647	>160	20	---	---
Particles >21µm	ASTM D7647	>40	6	---	---
Particles >38µm	ASTM D7647	>10	2	---	---
Particles >71µm	ASTM D7647	>3	2	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 23/19/11	---	---

OIL ANALYSIS REPORT



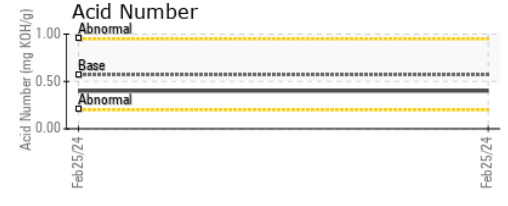
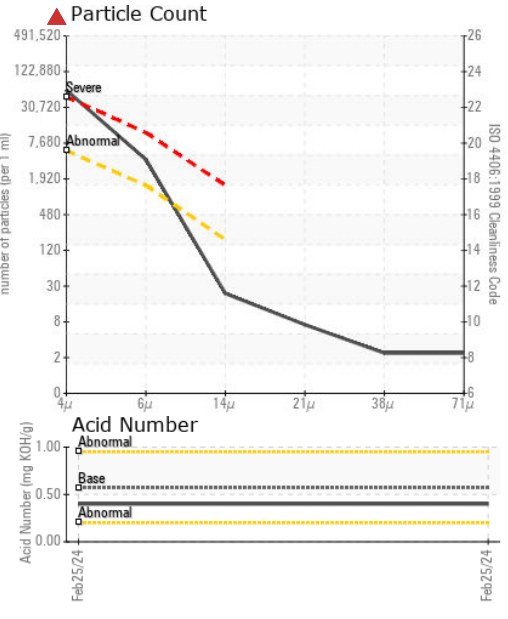
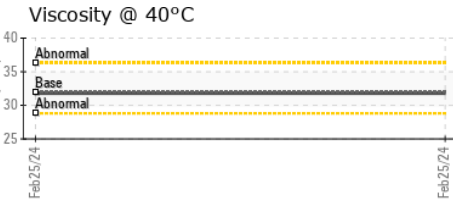
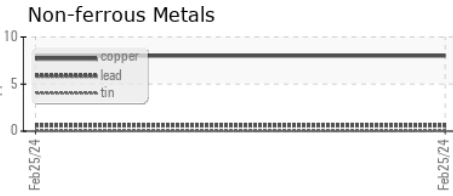
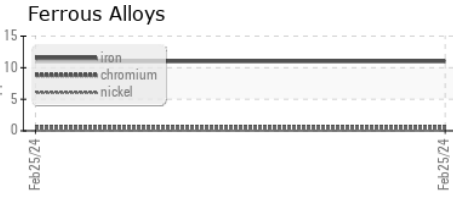
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	0.40	---	---

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	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.05	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	32	31.8	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.4	5.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	102	120	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0057460 **Received** : 14 Mar 2024
Lab Number : 02622003 **Tested** : 15 Mar 2024
Unique Number : 5747122 **Diagnosed** : 15 Mar 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, VI)

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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