

PROBLEM SUMMARY

Sample Rating Trend



WEAR



Machine Id
PRENTICE OR1896

Component

Gearbox

Fluid

NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. 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. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>200	▲ 654	---	---
Chromium	ppm	ASTM D5185(m)	>10	▲ 10	---	---

Customer Id: GFL791MAT

Sample No.: PC0069656

Lab Number: 02581505

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

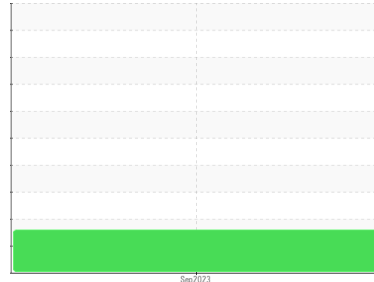
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS

Machine Id
PRENTICE OR1896
Component
Gearbox
Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation
Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. 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. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

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

Contamination
Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition
Le AN est acceptable pour ce fluide. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0069656	---	---
Sample Date	Client Info	10 Sep 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	---	---
Iron	ppm ASTM D5185(m) >200	▲ 654	---	---
Chromium	ppm ASTM D5185(m) >10	▲ 10	---	---
Nickel	ppm ASTM D5185(m) >10	<1	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m)	<1	---	---
Aluminum	ppm ASTM D5185(m) >25	5	---	---
Lead	ppm ASTM D5185(m) >50	<1	---	---
Copper	ppm ASTM D5185(m) >200	9	---	---
Tin	ppm ASTM D5185(m) >10	0	---	---
Antimony	ppm ASTM D5185(m) >5	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)	395	---	---
Barium	ppm ASTM D5185(m)	0	---	---
Molybdenum	ppm ASTM D5185(m)	4	---	---
Manganese	ppm ASTM D5185(m)	7	---	---
Magnesium	ppm ASTM D5185(m)	22	---	---
Calcium	ppm ASTM D5185(m)	111	---	---
Phosphorus	ppm ASTM D5185(m)	479	---	---
Zinc	ppm ASTM D5185(m)	332	---	---
Sulfur	ppm ASTM D5185(m)	4055	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

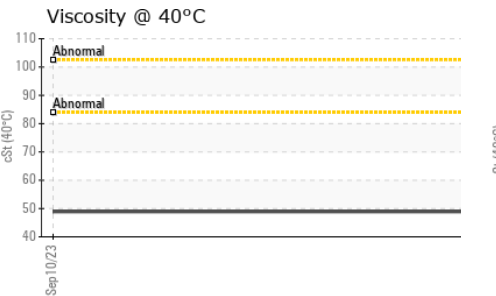
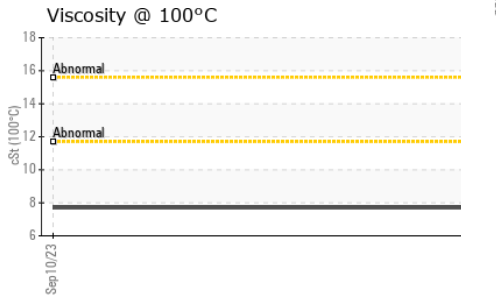
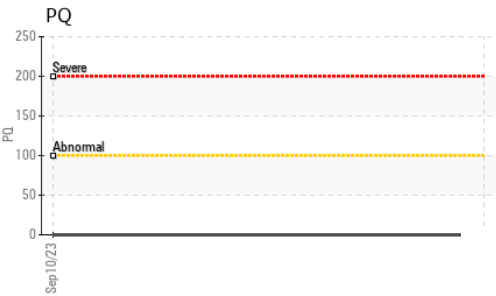
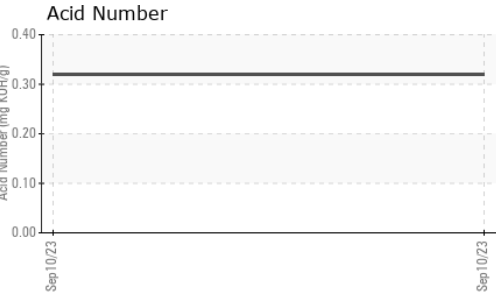
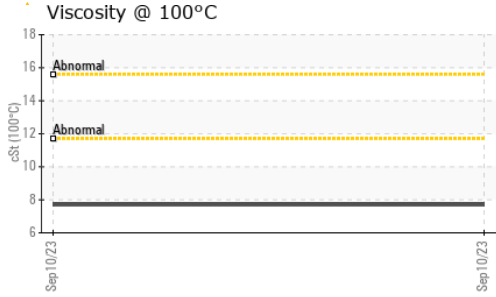
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	12	---	---
Sodium	ppm ASTM D5185(m)	6	---	---
Potassium	ppm ASTM D5185(m) >20	475	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	0.32	---	---

OIL ANALYSIS REPORT

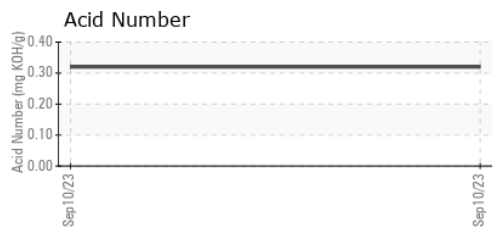
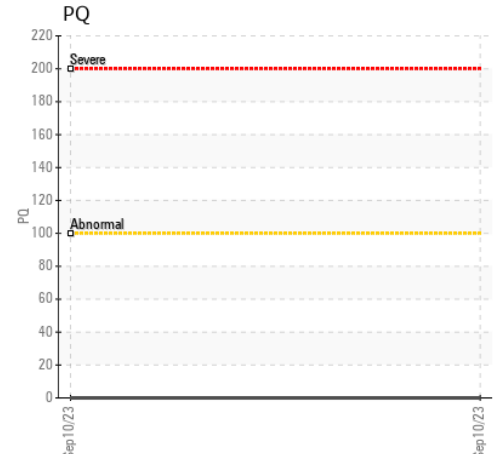
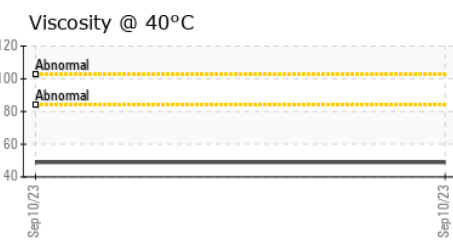
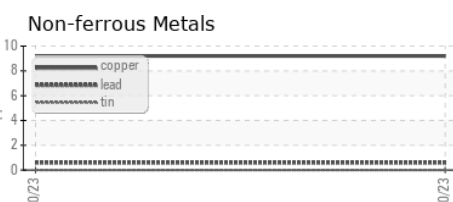
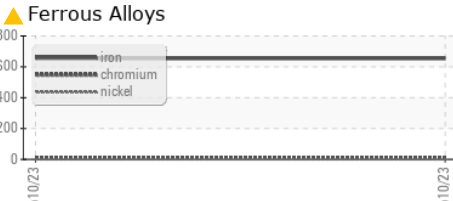


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	48.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	123	---	---

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 GFL Environmental 791MAT - Matane
Sample No. : PC0069656 **Received** : 11 Sep 2023
Lab Number : 02581505 **Diagnosed** : 12 Sep 2023
Unique Number : 5642570 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, TAN Man, 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.