

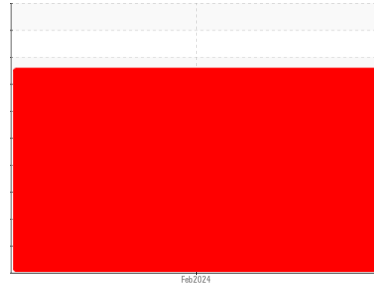
PROBLEM SUMMARY

Sample Rating Trend

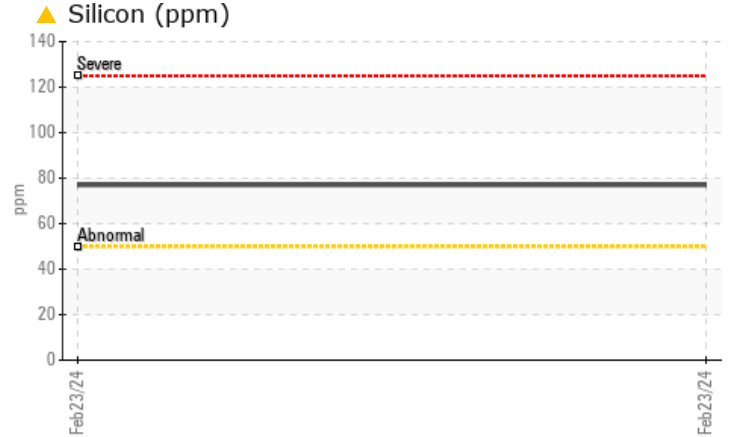
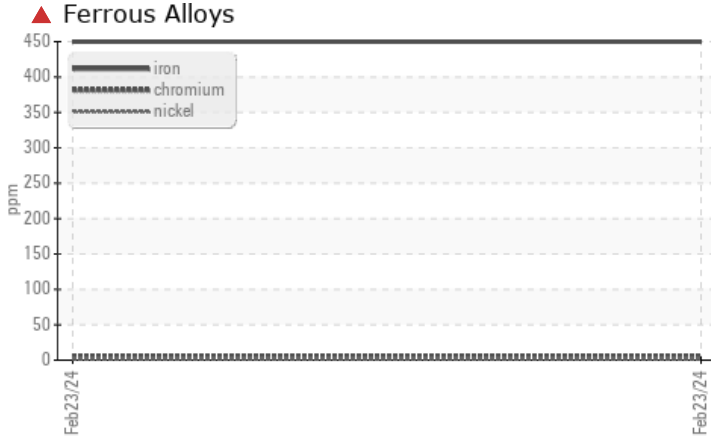
WEAR



Machine Id
Dickinson Truck
 Component
Power Divider
 Fluid
 {not provided} (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	---	---
Iron	▲ 450	---	---
Silicon	▲ 77	---	---

Customer Id: YVEWAU
 Sample No.: PCA0120422
 Lab Number: 06103375
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Sean Felton +1 919-379-4092
sfelton@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

Machine Id
Dickinson Truck
 Component
Power Divider
 Fluid
{not provided} (--- GAL)



DIAGNOSIS

- ▲ Recommendation**
 We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.
- ▲ Wear**
 Gear wear is indicated.
- ▲ Contamination**
 Elemental level of silicon (Si) above normal indicating ingress of seal material.
- Fluid Condition**
 The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0120422	---	---
Sample Date	Client Info		23 Feb 2024	---	---
Machine Age	hrs Client Info		117792	---	---
Oil Age	hrs Client Info		11537	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			SEVERE	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>150	▲ 450	---	---
Chromium	ppm ASTM D5185m	>10	5	---	---
Nickel	ppm ASTM D5185m	>10	2	---	---
Titanium	ppm ASTM D5185m		<1	---	---
Silver	ppm ASTM D5185m		0	---	---
Aluminum	ppm ASTM D5185m	>25	3	---	---
Lead	ppm ASTM D5185m	>100	0	---	---
Copper	ppm ASTM D5185m	>50	9	---	---
Tin	ppm ASTM D5185m	>10	0	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		12	---	---
Barium	ppm ASTM D5185m		8	---	---
Molybdenum	ppm ASTM D5185m		1	---	---
Manganese	ppm ASTM D5185m		23	---	---
Magnesium	ppm ASTM D5185m		5	---	---
Calcium	ppm ASTM D5185m		80	---	---
Phosphorus	ppm ASTM D5185m		544	---	---
Zinc	ppm ASTM D5185m		54	---	---
Sulfur	ppm ASTM D5185m		21899	---	---

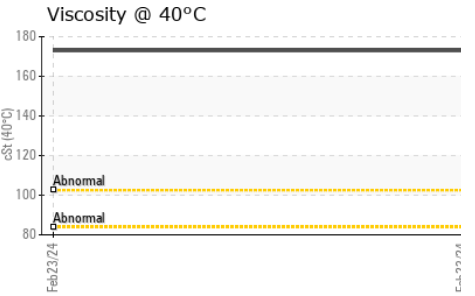
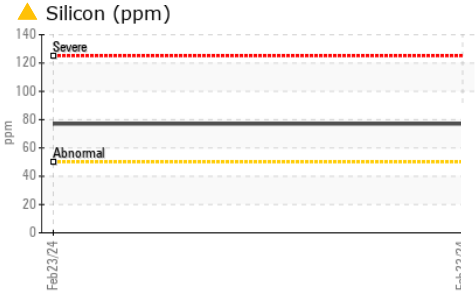
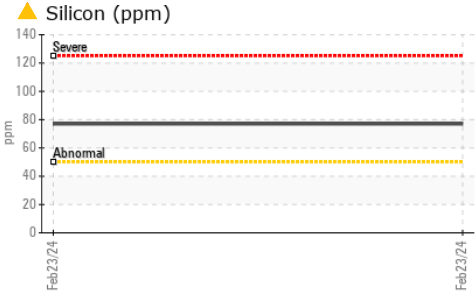
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>50	▲ 77	---	---
Sodium	ppm ASTM D5185m		14	---	---
Potassium	ppm ASTM D5185m	>20	13	---	---

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	>0.1	NEG	---	---
Free Water	scalar *Visual		NEG	---	---

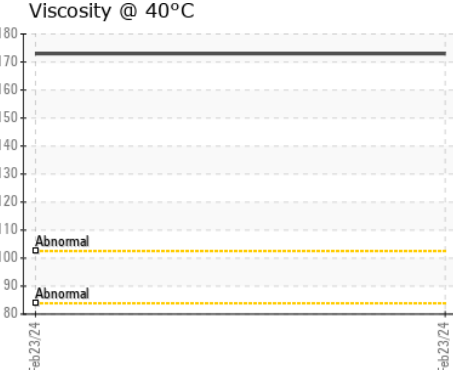
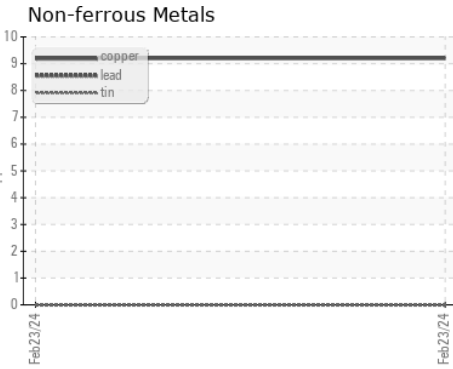
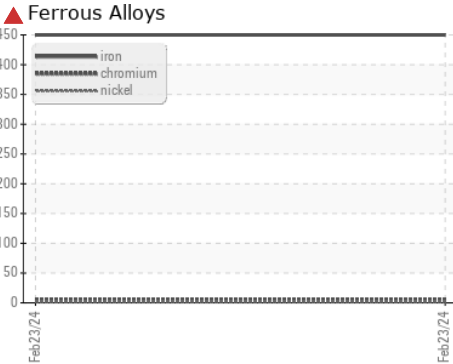
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	173	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0120422 **Received** : 28 Feb 2024
Lab Number : **06103375** **Tested** : 29 Feb 2024
Unique Number : 10901605 **Diagnosed** : 01 Mar 2024 - Sean Felton
Test Package : FLEET

YVETTE TRZCINSKI
 850 WESTBROOKE PKWY
 WAUKESHA, WI
 US 53186
 Contact: YVETTE TRZCINSKI
 yvette.trzcinski@hfsinclair.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: