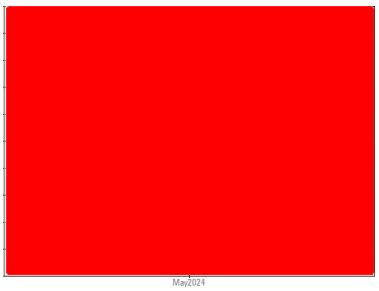
PROBLEM SUMMARY

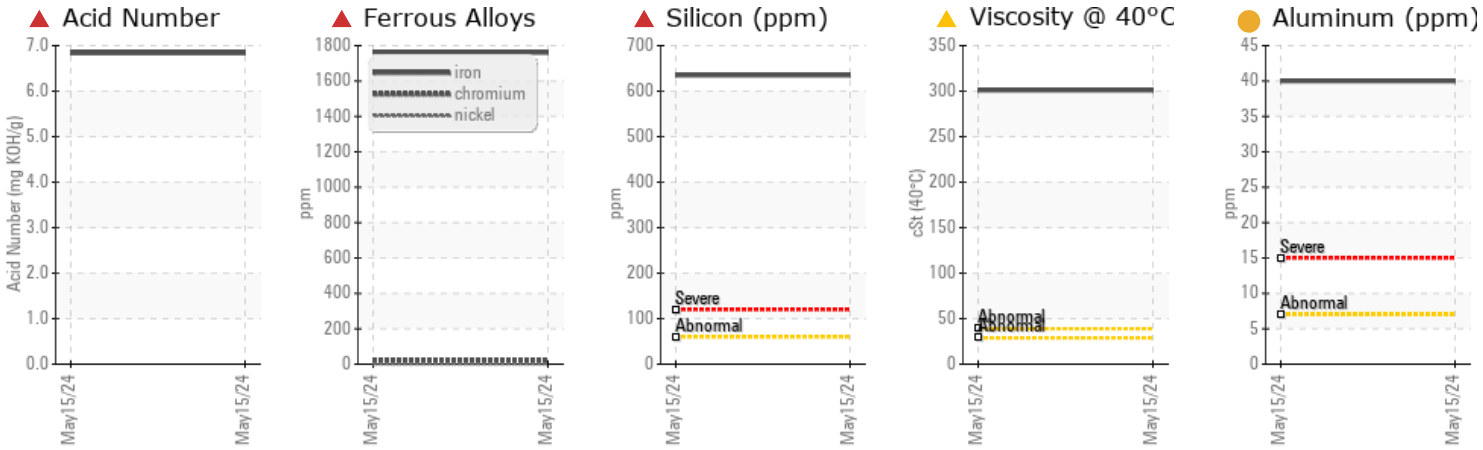
Sample Rating Trend



WEAR

Machine Id
SCOTT DECK - XFER 2 (S/N 10241L74415981)
Component
Pump
Fluid
{not provided} (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	---	---
Iron	ppm	ASTM D5185m	>90	▲ **1761**	---	---
Chromium	ppm	ASTM D5185m	>5	▲ **23**	---	---
Titanium	ppm	ASTM D5185m	>3	▲ **44**	---	---
Silicon	ppm	ASTM D5185m	>60	▲ **635**	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ **6.838**	---	---
Debris	scalar	*Visual	NONE	▲ **MODER**	---	---
Appearance	scalar	*Visual	NORML	▲ **MILKY**	---	---
Emulsified Water	scalar	*Visual	>.1	▲ **0.2%**	---	---
Free Water	scalar	*Visual		▲ **>10%**	---	---
Visc @ 40°C	cSt	ASTM D445		▲ **301**	---	---

Customer Id: KRAJACHEI
Sample No.: USP0011829
Lab Number: 06181362
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

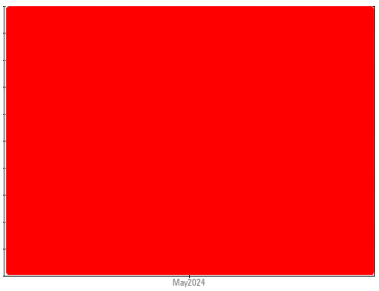
RECOMMENDED ACTIONS

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 and perform a filter service on this component if not already done.
Change Filter	---	---	?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Machine Id
SCOTT DECK - XFER 2 (S/N 10241L74415981)
Component
Pump
Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation
We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear
The iron level is severe. The chromium level is severe.

Contamination
Appearance is milky. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Excessive free water present. There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition
The AN level is above the recommended limit. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**USP0011829**	---	---
Sample Date		Client Info		**15 May 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**SEVERE**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	▲ **1761**	---	---
Chromium	ppm	ASTM D5185m	>5	▲ **23**	---	---
Nickel	ppm	ASTM D5185m	>5	**2**	---	---
Titanium	ppm	ASTM D5185m	>3	▲ **44**	---	---
Silver	ppm	ASTM D5185m	>3	**<1**	---	---
Aluminum	ppm	ASTM D5185m	>7	● **40**	---	---
Lead	ppm	ASTM D5185m	>12	**0**	---	---
Copper	ppm	ASTM D5185m	>30	**3**	---	---
Tin	ppm	ASTM D5185m	>9	**<1**	---	---
Vanadium	ppm	ASTM D5185m		**<1**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**9**	---	---
Barium	ppm	ASTM D5185m		**0**	---	---
Molybdenum	ppm	ASTM D5185m		**<1**	---	---
Manganese	ppm	ASTM D5185m		**5**	---	---
Magnesium	ppm	ASTM D5185m		**2**	---	---
Calcium	ppm	ASTM D5185m		**89**	---	---
Phosphorus	ppm	ASTM D5185m		**454**	---	---
Zinc	ppm	ASTM D5185m		**67**	---	---
Sulfur	ppm	ASTM D5185m		**571**	---	---

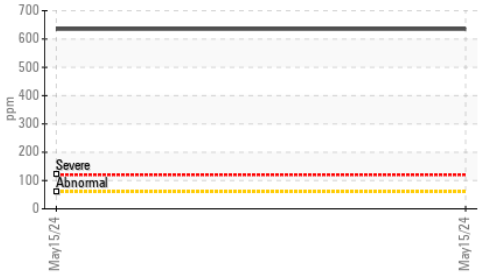
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	▲ **635**	---	---
Sodium	ppm	ASTM D5185m		**35**	---	---
Potassium	ppm	ASTM D5185m	>20	**3**	---	---
Water	%	ASTM D6304	>.1	**NEG**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ **6.838**	---	---

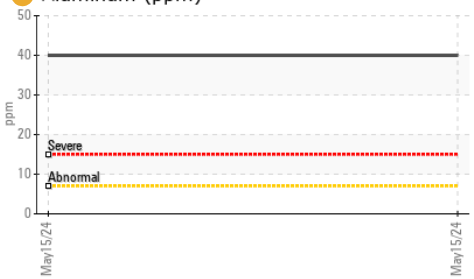
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	▲ **MODER**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	▲ **MILKY**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>.1	▲ **0.2%**	---	---
Free Water	scalar	*Visual		▲ **>10%**	---	---

OIL ANALYSIS REPORT

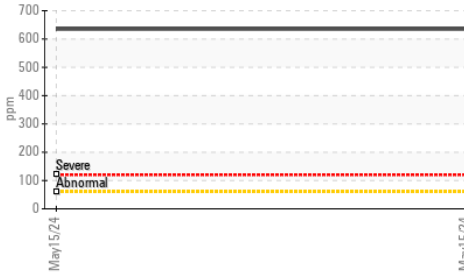
Silicon (ppm)



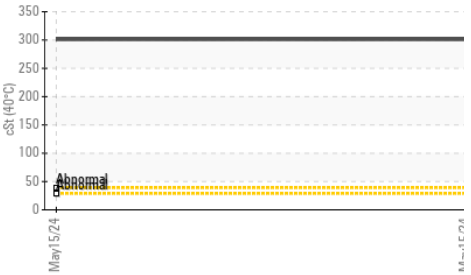
Aluminum (ppm)



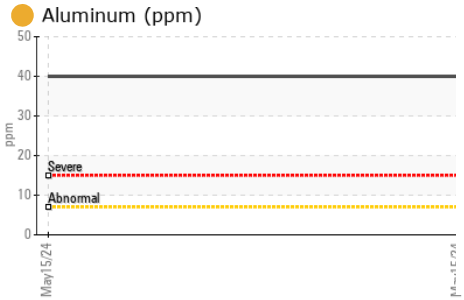
Silicon (ppm)



Viscosity @ 40°C



Aluminum (ppm)

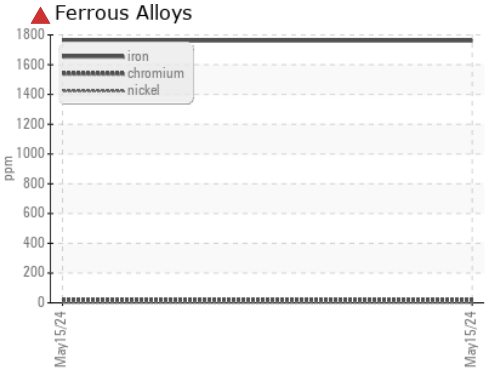


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		▲ **301**	---	---

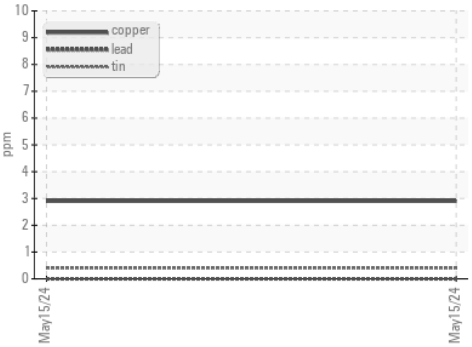
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

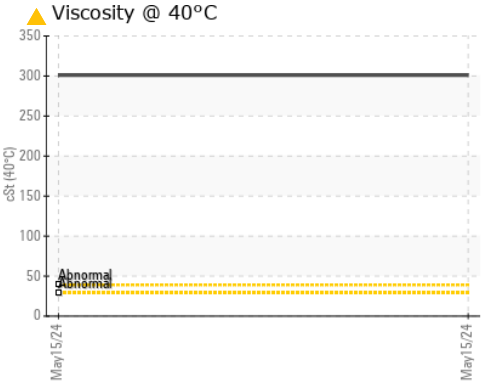
Ferrous Alloys



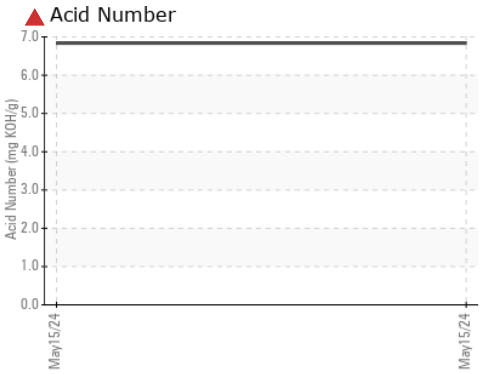
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0011829
Lab Number : 06181362
Unique Number : 11032688
Test Package : IND 2

Received : 16 May 2024
Tested : 20 May 2024
Diagnosed : 20 May 2024 - Jonathan Hester

KraftHeinz - Jacksonville PPL - Plant 8367
7500 FORSHEE DR
JACKSONVILLE, FL
US 32202
Contact: Paul Jones
paul.jones@kraftheinz.com
T:
F:

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)