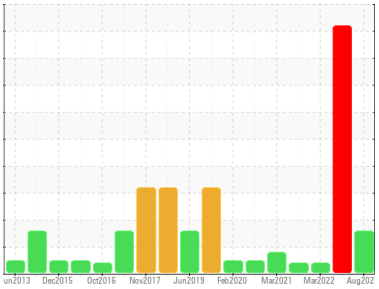
PROBLEM SUMMARY

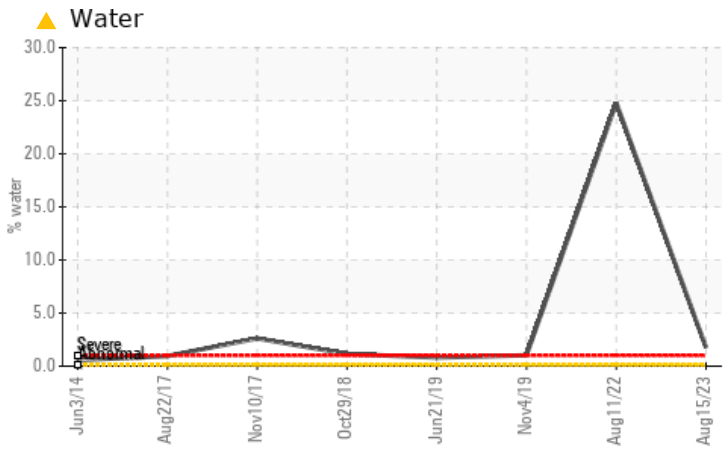
Sample Rating Trend



WATER

Area
PO-6030 [A13000314]
Machine Id
QUINCY UN063286 - FEDEX
Component
Compressor

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	SEVERE	ATTENTION
Water	%	ASTM D6304	>0.1	▲ **1.76**	⬢ 24.8	---
ppm Water	ppm	ASTM D6304	>1000	▲ **17600**	⬢ 248000	---
Emulsified Water	scalar	*Visual	>0.1	▲ **0.2%**	⬢ 0.2%	NEG

Customer Id: UCPATLIT
Sample No.: UCP05932170
Lab Number: 05932170
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

11 Aug 2022 Diag: Doug Bogart

WATER

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 recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform an accurate viscosity test.All component wear rates are normal. 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. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

view report

15 Mar 2022 Diag: Jonathan Hester

ADDITIVES

We suspect abnormal metal contamination may be due to sampling method. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Moderate concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. An additive depletion is indicated. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

28 Oct 2021 Diag: Jonathan Hester

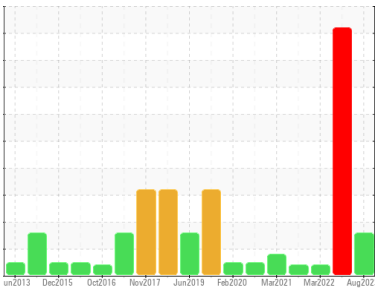
ADDITIVES

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. An additive depletion is indicated. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Area
PO-6030 [A13000314]
Machine Id
QUINCY UN063286 - FEDEX
Component
Compressor

DIAGNOSIS

Recommendation
Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear
All component wear rates are normal.

Contamination
There is a high concentration of water present in the oil.

Fluid Condition
The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**UCP05932170**	UCP05625758	UCP05498758
Sample Date		Client Info		**15 Aug 2023**	11 Aug 2022	15 Mar 2022
Machine Age	hrs	Client Info		**67621**	65574	64283
Oil Age	hrs	Client Info		**65574**	0	0
Oil Changed		Client Info		**Changed**	N/A	Not Changd
Sample Status				**ATTENTION**	SEVERE	ATTENTION

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**15**	<1	<1
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**1**	<1	<1
Lead	ppm	ASTM D5185m	>25	**0**	<1	0
Copper	ppm	ASTM D5185m	>50	**2**	1	<1
Tin	ppm	ASTM D5185m	>15	**<1**	<1	1
Antimony	ppm	ASTM D5185m		**---**	---	---
Vanadium	ppm	ASTM D5185m		**<1**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

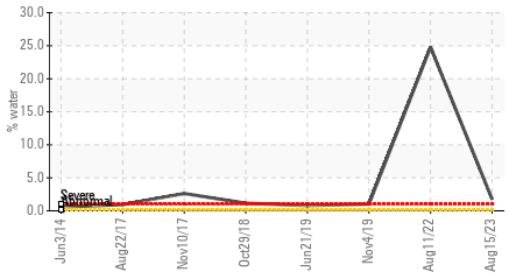
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	**2**	2	2
Barium	ppm	ASTM D5185m	700	**196**	▲ 31	▲ 79
Molybdenum	ppm	ASTM D5185m	0	**0**	0	0
Manganese	ppm	ASTM D5185m	0	**<1**	<1	0
Magnesium	ppm	ASTM D5185m	0	**2**	0	0
Calcium	ppm	ASTM D5185m	0	**14**	4	4
Phosphorus	ppm	ASTM D5185m	0	**10**	7	5
Zinc	ppm	ASTM D5185m	0	**9**	2	0
Sulfur	ppm	ASTM D5185m	630	**398**	327	270

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**5**	6	11
Sodium	ppm	ASTM D5185m		**50**	24	57
Potassium	ppm	ASTM D5185m	>20	**8**	2	<1
Water	%	ASTM D6304	>0.1	▲ **1.76**	⬢ 24.8	---
ppm Water	ppm	ASTM D6304	>1000	▲ **17600**	⬢ 248000	---

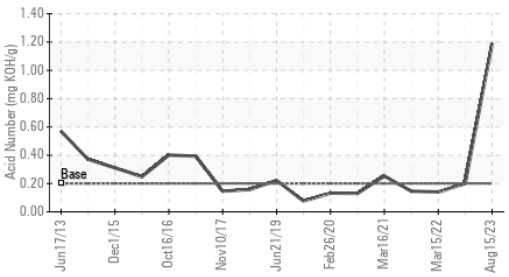
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.200	**1.19**	0.20	0.14

OIL ANALYSIS REPORT

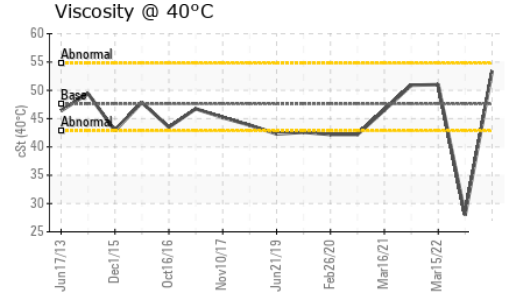
Water



Acid Number

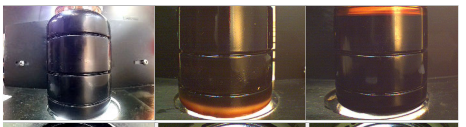


Viscosity @ 40°C



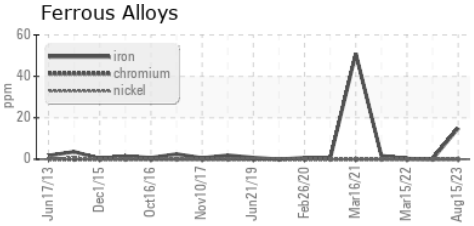
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**MODER**	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	▲ **0.2%**	⬢ 0.2%	NEG
Free Water	scalar	*Visual		**NEG**	⬢ 10.0	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.6	**53.4**	▲ 28.0	51.0

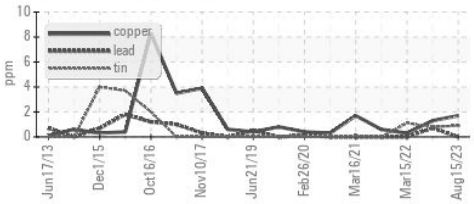
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

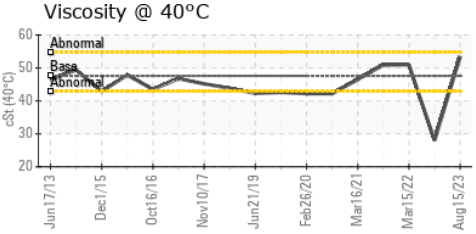
Ferrous Alloys



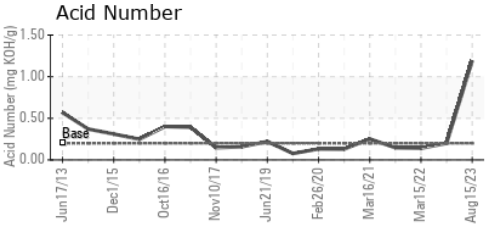
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCP05932170 **Received** : 23 Aug 2023
Lab Number : 05932170 **Diagnosed** : 24 Aug 2023
Unique Number : 10617441 **Diagnostician** : Don Baldridge
Test Package : IND 2 (Additional Tests: KF)

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)

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