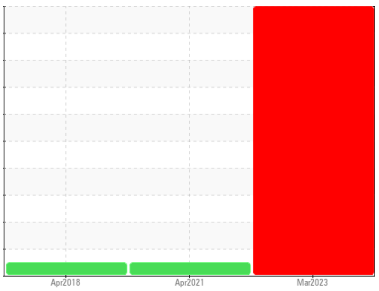
PROBLEM SUMMARY

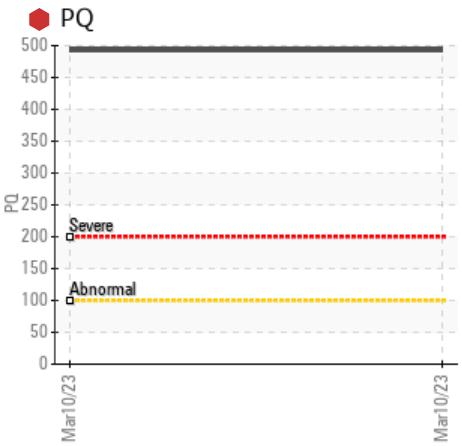
Area
ContiTech USA_Lincoln
Machine Id
#5 Calender Middle Roll
Component
Gear Drive
Fluid
MOBIL SHC 632 (--- GAL)

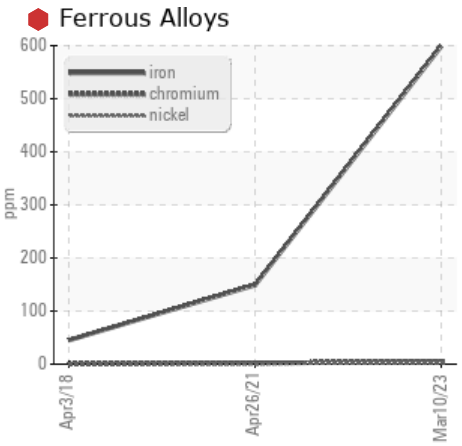
Sample Rating Trend

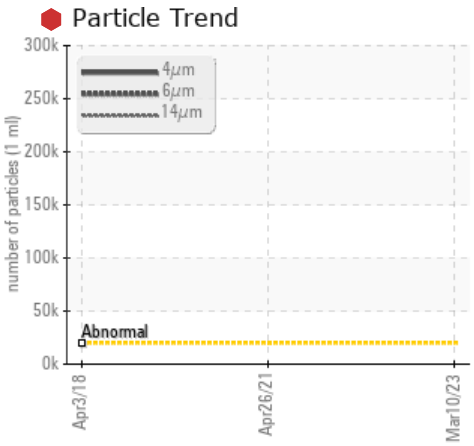


WEAR

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	NORMAL
PQ		ASTM D8184		**493**	---	---
Iron	ppm	ASTM D5185m	>150	**599**	149	45
Particles >4µm		ASTM D7647	>20000	**269763**	---	---
Particles >6µm		ASTM D7647	>5000	**240628**	---	---
Particles >14µm		ASTM D7647	>640	**107798**	---	---
Particles >21µm		ASTM D7647	>160	**35701**	---	---
Particles >38µm		ASTM D7647	>40	**1665**	---	---
Particles >71µm		ASTM D7647	>10	**12**	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	**25/25/24**	---	---

Customer Id: CON4021LIN
Sample No.: SBP0000553
Lab Number: 05792026
Test Package: PLANT

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@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 Filter	---	---	?	We recommend you service the filters on this component if applicable.
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS

26 Apr 2021 Diag: Wes Davis

NORMAL

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

03 Apr 2018 Diag: Wes Davis

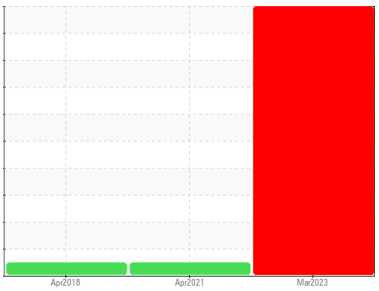
NORMAL

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is no indication of any contamination in the oil. 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



WEAR

Area
ContiTech USA_Lincoln
Machine Id
#5 Calender Middle Roll
Component
Gear Drive
Fluid
MOBIL SHC 632 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

Moderate concentration of visible metal present. Gear wear is indicated.

Contamination

There is a high amount of particulates 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		**SBP0000553**	SBP16367027	SBP08363011
Sample Date		Client Info		**10 Mar 2023**	26 Apr 2021	03 Apr 2018
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	Not Changd
Sample Status				**SEVERE**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		**493**	---	---
Iron	ppm	ASTM D5185m	>150	**599**	149	45
Chromium	ppm	ASTM D5185m	>10	**5**	2	0
Nickel	ppm	ASTM D5185m	>10	**3**	1	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**1**	0	0
Lead	ppm	ASTM D5185m	>100	**0**	1	0
Copper	ppm	ASTM D5185m	>50	**7**	4	0
Tin	ppm	ASTM D5185m	>10	**0**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

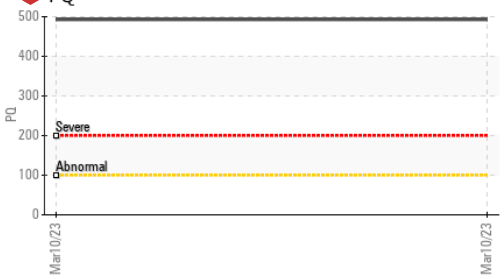
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**<1**	1	0
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**1**	1	1
Manganese	ppm	ASTM D5185m		**4**	0	0
Magnesium	ppm	ASTM D5185m		**2**	0	0
Calcium	ppm	ASTM D5185m		**3**	3	0
Phosphorus	ppm	ASTM D5185m		**311**	338	317
Zinc	ppm	ASTM D5185m		**31**	18	3
Sulfur	ppm	ASTM D5185m		**702**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**20**	21	18
Sodium	ppm	ASTM D5185m		**2**	2	0
Potassium	ppm	ASTM D5185m	>20	**2**	0	0
Chlorine	ppm	ASTM D5185m		**---**	0	0
Water	%	ASTM D6304	>0.1	**0.005**	0	0
ppm Water	ppm	ASTM D6304	>1000	**51.9**	---	---

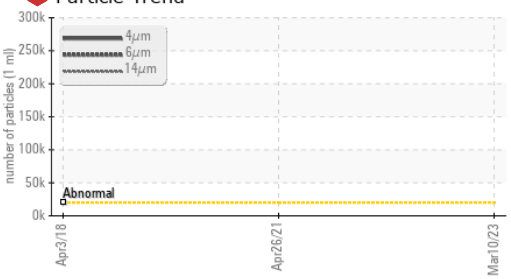
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	**269763**	---	---
Particles >6µm		ASTM D7647	>5000	**240628**	---	---
Particles >14µm		ASTM D7647	>640	**107798**	---	---
Particles >21µm		ASTM D7647	>160	**35701**	---	---
Particles >38µm		ASTM D7647	>40	**1665**	---	---
Particles >71µm		ASTM D7647	>10	**12**	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	**25/25/24**	---	---

OIL ANALYSIS REPORT

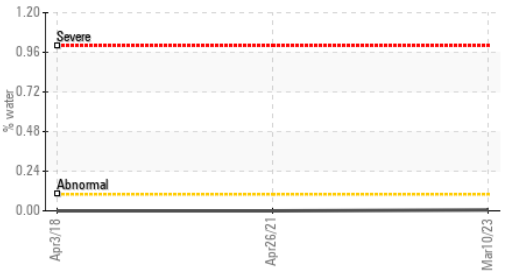
PQ



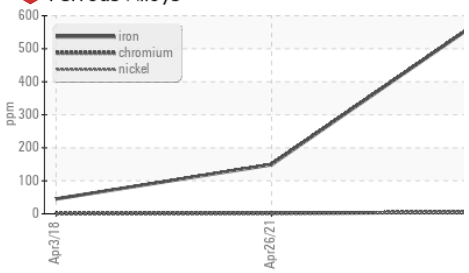
Particle Trend



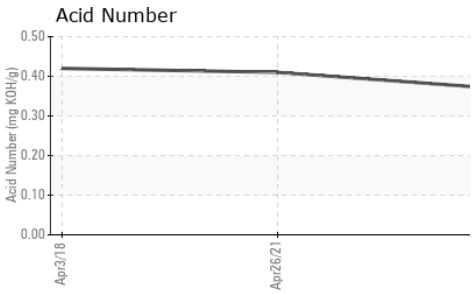
Water



Ferrous Alloys



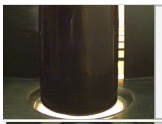
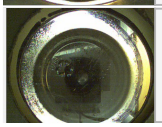
Acid Number



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.37**	0.41	0.42

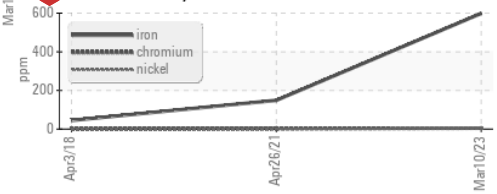
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**MODER**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**LIGHT**	---	---
Sand/Dirt	scalar	*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**	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	325.8	**282**	286.6	316.9

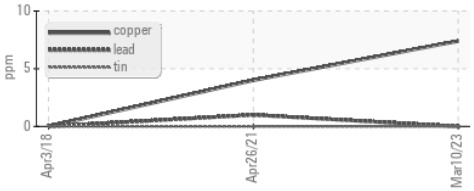
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

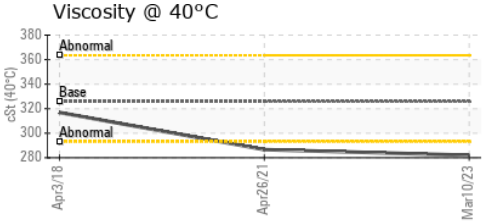
Ferrous Alloys



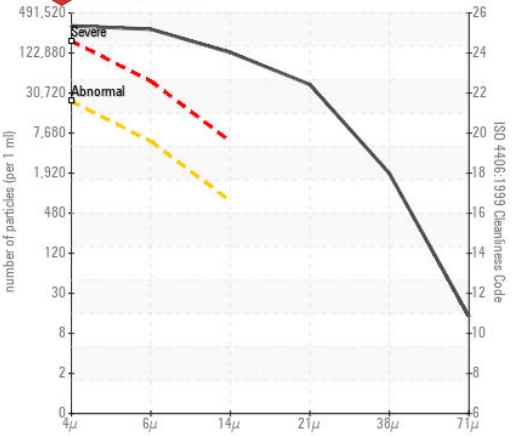
Non-ferrous Metals



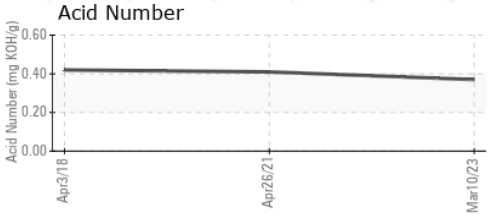
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0000553
Lab Number : 05792026
Unique Number : 10376697
Test Package : PLANT

Received : 15 Mar 2023
Diagnosed : 19 Mar 2023
Diagnostician : Doug Bogart

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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