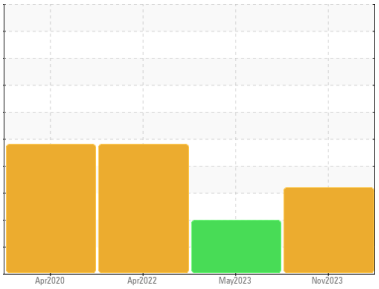
PROBLEM SUMMARY

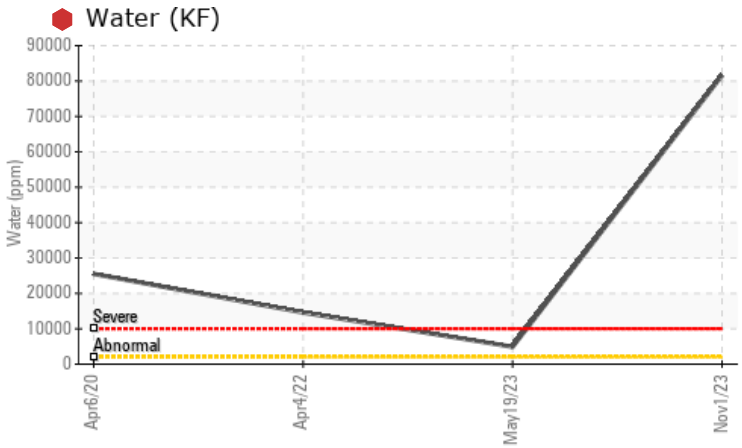
Machine Id
015-0068
Component
6 Swing Drive
Fluid
SCHAEFFER 267 80W90 (--- GAL)

Sample Rating Trend



WATER

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	SEVERE
Water	%	ASTM D6304	>0.2	**8.16**	0.489	1.46
ppm Water	ppm	ASTM D6304	>2000	**81600**	4890	14600
Emulsified Water	scalar	*Visual	>0.2	**0.2%**	0.2%	0.2%

Customer Id: AECCHATN
Sample No.: WC0868429
Lab Number: 06000135
Test Package: CONST

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
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.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

19 May 2023 Diag: Sean Felton

WATER

We advise that you check for the source of water entry. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

view report

04 Apr 2022 Diag: Don Baldridge

WATER

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high concentration of water present in the oil. Free water present. The oil is no longer serviceable due to the presence of contaminants.

view report

06 Apr 2020 Diag: Jonathan Hester

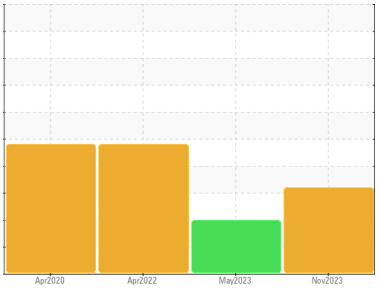
WATER

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. High concentration of visible dirt/debris present in the oil. The oil viscosity is higher than normal. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Machine Id
015-0068
Component
6 Swing Drive
Fluid
SCHAEFFER 267 80W90 (--- GAL)

DIAGNOSIS

Recommendation
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. 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 oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0868429**	WC0815156	WC0548335
Sample Date		Client Info		**01 Nov 2023**	19 May 2023	04 Apr 2022
Machine Age	mths	Client Info		**0**	0	0
Oil Age	mths	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**SEVERE**	ABNORMAL	SEVERE

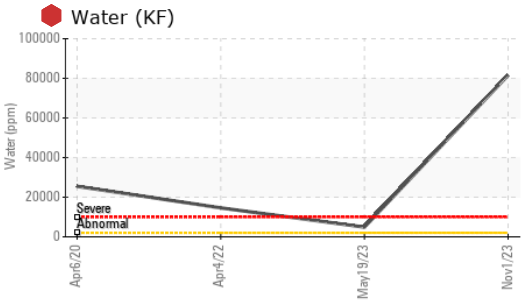
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>400	**81**	53	95
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	<1
Nickel	ppm	ASTM D5185m	>10	**0**	<1	0
Titanium	ppm	ASTM D5185m		**<1**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	2
Aluminum	ppm	ASTM D5185m	>25	**2**	0	<1
Lead	ppm	ASTM D5185m	>50	**<1**	1	1
Copper	ppm	ASTM D5185m	>200	**2**	<1	2
Tin	ppm	ASTM D5185m	>10	**0**	0	<1
Antimony	ppm	ASTM D5185m	>5	**---**	---	---
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**<1**	0	<1

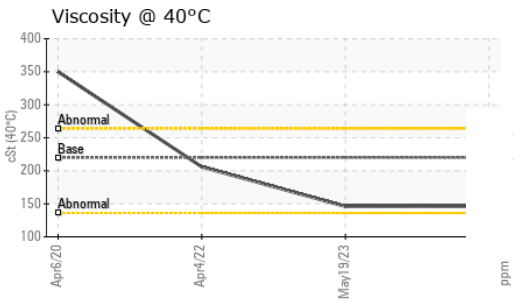
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**6**	13	31
Barium	ppm	ASTM D5185m		**4**	4	4
Molybdenum	ppm	ASTM D5185m		**380**	401	411
Manganese	ppm	ASTM D5185m		**<1**	<1	1
Magnesium	ppm	ASTM D5185m		**<1**	<1	2
Calcium	ppm	ASTM D5185m		**15**	15	28
Phosphorus	ppm	ASTM D5185m		**731**	868	1177
Zinc	ppm	ASTM D5185m		**57**	21	56
Sulfur	ppm	ASTM D5185m		**16883**	22134	19446

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**8**	9	8
Sodium	ppm	ASTM D5185m		**<1**	<1	1
Potassium	ppm	ASTM D5185m	>20	**1**	2	0
Water	%	ASTM D6304	>0.2	⬢ **8.16**	▲ 0.489	⬢ 1.46
ppm Water	ppm	ASTM D6304	>2000	⬢ **81600**	▲ 4890	⬢ 14600

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	MODER	NONE
Debris	scalar	*Visual	NONE	**NONE**	▲ MODER	VLITE
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	>0.2	⬢ **0.2%**	0.2%	⬢ 0.2%
Free Water	scalar	*Visual		**NEG**	NEG	▲ 1.0

OIL ANALYSIS REPORT

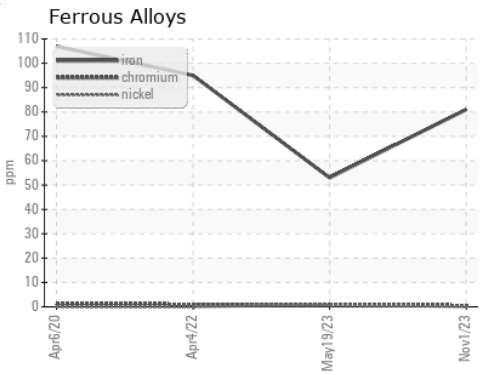


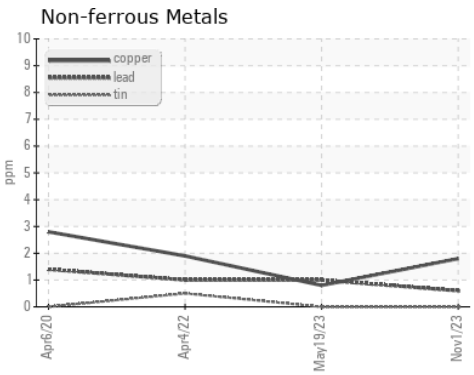


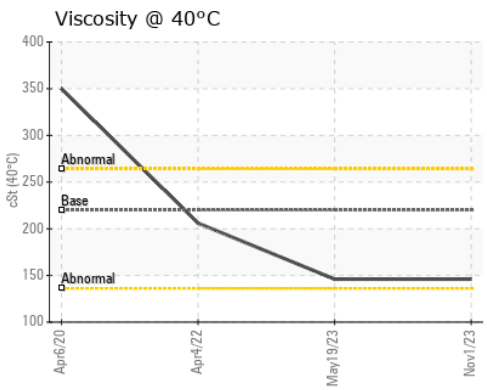
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	**146**	146	206

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. : WC0868429 **Received** : 06 Nov 2023
Lab Number : 06000135 **Diagnosed** : 15 Nov 2023
Unique Number : 10728495 **Diagnostician** : Doug Bogart
Test Package : CONST (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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