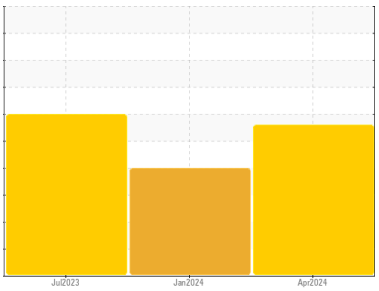
PROBLEM SUMMARY

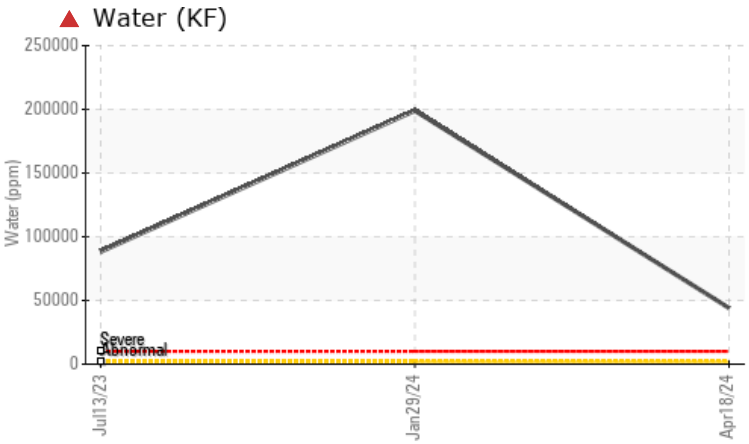
Sample Rating Trend



WATER

Area
[156382]
Machine Id
OVEN 2 MAIN
Component
Main Gearbox
Fluid
TOTAL FINA NEVASTANE SY 680 (5 LTR)

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. Please specify the component make and model with your next sample.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	SEVERE	SEVERE
Water	%	ASTM D6304*	>0.2	▲ **4.404**	▲ 19.9	▲ 8.831
ppm Water	ppm	ASTM D6304*	>2000	▲ **44042**	▲ 199000	▲ 88316.2
Appearance	scalar	Visual*	NORML	▲ **LAYRD**	▲ LAYRD	▲ WGOIL
Emulsified Water	scalar	Visual*	>0.2	▲ **.5%**	NEG	▲ 1%
Free Water	scalar	Visual*		▲ **5%**	NEG	▲ >10%

Customer Id: GRA685CAM
Sample No.: WC0929902
Lab Number: 02630781
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@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.
Information Required	---	---	?	Please specify the component make and model with your next sample.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

WATER

29 Jan 2024 Diag: Bill Quesnel

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. Please specify the component make and model with your next sample.All component wear rates are normal. There is a high concentration of water present in the oil. The sample contained a visible layer of foreign fluid contaminant, the origin and/or type of fluid is unknown. The oil is no longer serviceable due to the presence of contaminants.

view report

WATER

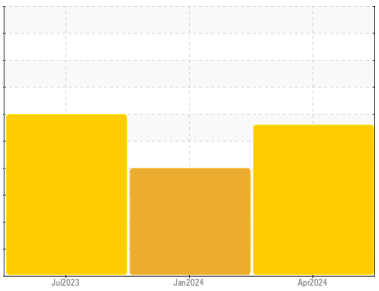
13 Jul 2023 Diag: Kevin Marson

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. Please specify the component make and model with your next sample.All component wear rates are normal. There is a high concentration of water present in the oil. Excessive free water present. Viscosity of sample indicates oil is within ISO 1000 range, advise investigate. The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Area
[156382]
Machine Id
OVEN 2 MAIN
Component
Main Gearbox
Fluid
TOTAL FINA NEVASTANE SY 680 (5 LTR)

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. Please specify the component make and model with your next sample.

Wear
All component wear rates are normal.

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

Fluid Condition
The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0929902**	WC0898855	WC0829275
Sample Date		Client Info		**18 Apr 2024**	29 Jan 2024	13 Jul 2023
Machine Age	days	Client Info		**0**	0	40
Oil Age	days	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**SEVERE**	SEVERE	SEVERE

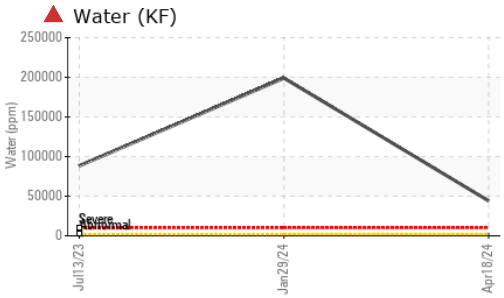
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		**0**	0	0
Iron	ppm	ASTM D5185(m)	>200	**30**	28	35
Chromium	ppm	ASTM D5185(m)	>10	**0**	0	<1
Nickel	ppm	ASTM D5185(m)	>10	**<1**	<1	2
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)		**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>25	**0**	<1	<1
Lead	ppm	ASTM D5185(m)	>50	**0**	<1	<1
Copper	ppm	ASTM D5185(m)	>200	**4**	7	41
Tin	ppm	ASTM D5185(m)	>10	**<1**	<1	5
Antimony	ppm	ASTM D5185(m)	>5	**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

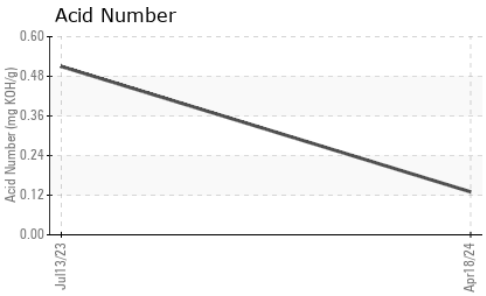
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**2**	6	12
Barium	ppm	ASTM D5185(m)		**0**	0	0
Molybdenum	ppm	ASTM D5185(m)		**0**	0	<1
Manganese	ppm	ASTM D5185(m)		**0**	0	<1
Magnesium	ppm	ASTM D5185(m)		**2**	2	<1
Calcium	ppm	ASTM D5185(m)		**11**	10	4
Phosphorus	ppm	ASTM D5185(m)		**268**	294	693
Zinc	ppm	ASTM D5185(m)		**1**	10	3
Sulfur	ppm	ASTM D5185(m)		**460**	349	620
Lithium	ppm	ASTM D5185(m)		**<1**	<1	2

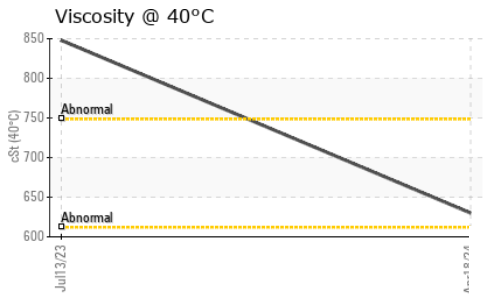
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	**2**	2	4
Sodium	ppm	ASTM D5185(m)		**63**	150	329
Potassium	ppm	ASTM D5185(m)	>20	**3**	10	29
Water	%	ASTM D6304*	>0.2	▲ **4.404**	▲ 19.9	▲ 8.831
ppm Water	ppm	ASTM D6304*	>2000	▲ **44042**	▲ 199000	▲ 88316.2

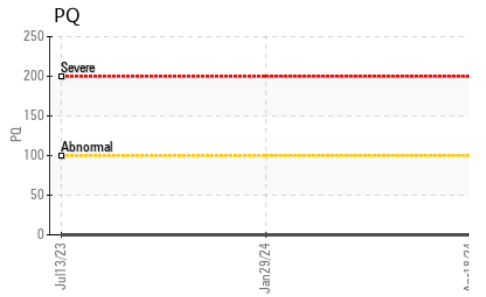
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		**0.13**	---	0.51

OIL ANALYSIS REPORT





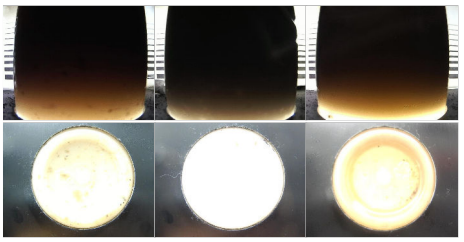




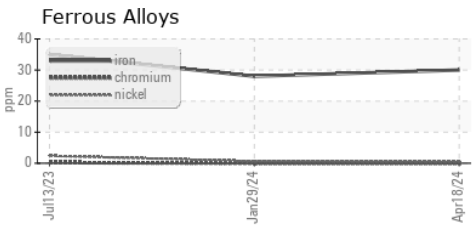
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Appearance	scalar	Visual*	NORML	▲ **LAYRD**	▲ LAYRD	▲ WGOIL
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	▲ **.5%**	NEG	▲ 1%
Free Water	scalar	Visual*		▲ **5%**	NEG	▲ >10%

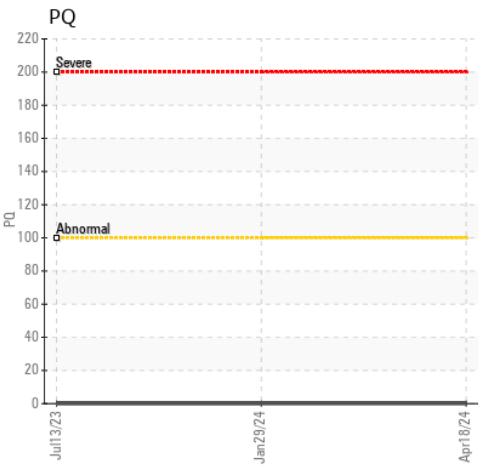
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		**630**	---	▲ 848

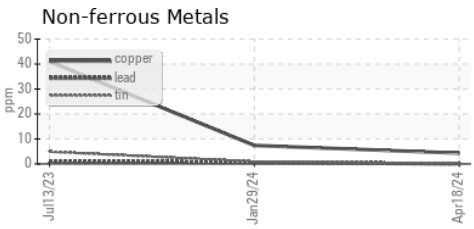
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

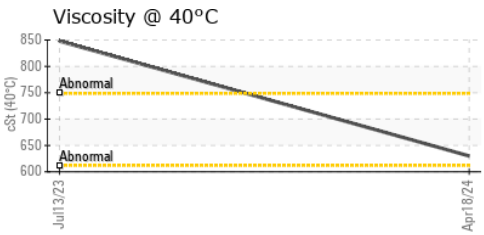


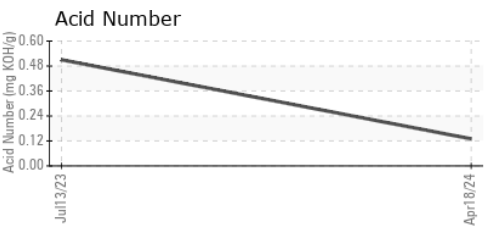
GRAPHS











ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0929902 **Received** : 22 Apr 2024
Lab Number : 02630781 **Tested** : 24 Apr 2024
Unique Number : 5763913 **Diagnosed** : 24 Apr 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF, TAN Man)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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