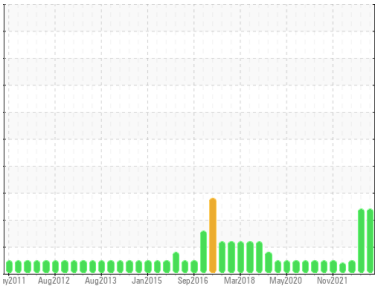
PROBLEM SUMMARY

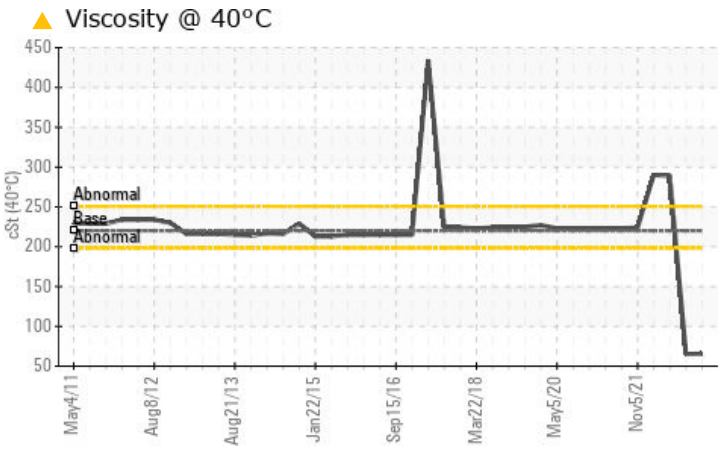
Sample Rating Trend

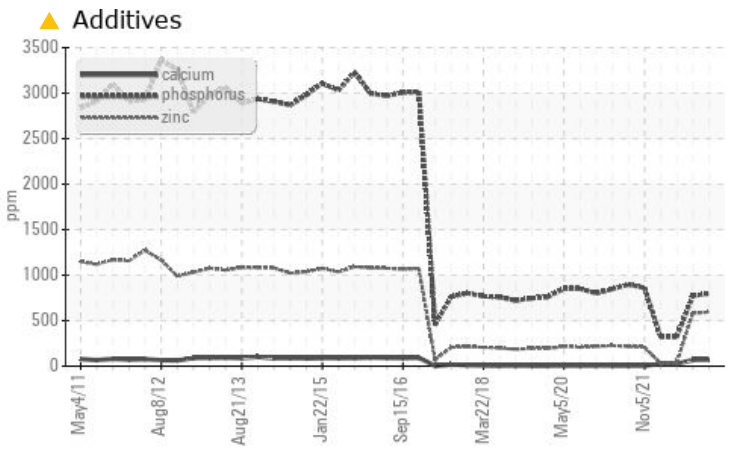


VISCOSITY

Area
GC01
Machine Id
GC01 8 Inch Extruder GB
Component
Gearbox
Fluid
SHELL OMALA S2 G 220 (180 Kg)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

Due to this condition we recommend the following action... We advise an early resample to confirm this situation. NOTE: The current sample results do not match this units historical trend, indicating the sample may not be from this component/unit.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	NORMAL
Magnesium	ppm	ASTM D5185(m)	0	▲ **30**	▲ 31	1
Calcium	ppm	ASTM D5185(m)	0	▲ **69**	▲ 67	26
Phosphorus	ppm	ASTM D5185(m)	215	▲ **797**	▲ 772	319
Zinc	ppm	ASTM D5185(m)	0	▲ **593**	▲ 581	35
Sulfur	ppm	ASTM D5185(m)	7039	▲ **2392**	▲ 2287	8191
Visc @ 40°C	cSt	ASTM D7279(m)	220	▲ **65.6**	▲ 65.1	289

Customer Id: GOONAP
Sample No.: WC0299468
Lab Number: 02553777
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
Resample	---	---	?	We advise an early resample to confirm this situation.
Alert	---	---	?	NOTE: The current sample results do not match this units historical trend, indicating the sample may not be from this component/unit.

HISTORICAL DIAGNOSIS

25 Apr 2023 Diag: Kevin Marson

VISCOSITY

Due to this condition we recommend the following action... We advise an early resample to confirm this situation. NOTE: The current sample results do not match this units historical trend, indicating the sample may not be from this component/unit.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid.

view report

05 Feb 2023 Diag: Kevin Marson

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 320 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

27 Oct 2022 Diag: Kevin Marson

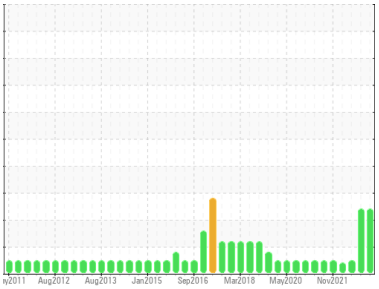
VISCOSITY

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 320 range, advise investigate. 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



VISCOSITY

Area
GC01
Machine Id
GC01 8 Inch Extruder GB
Component
Gearbox
Fluid
SHELL OMALA S2 G 220 (180 Kg)

DIAGNOSIS

Recommendation

Due to this condition we recommend the following action... We advise an early resample to confirm this situation. NOTE: The current sample results do not match this units historical trend, indicating the sample may not be from this component/unit.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Viscosity of sample indicates oil is within ISO 68 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0299468**	WC22128049	WC0754400
Sample Date		Client Info		**25 Apr 2023**	25 Apr 2023	05 Feb 2023
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	ABNORMAL	NORMAL

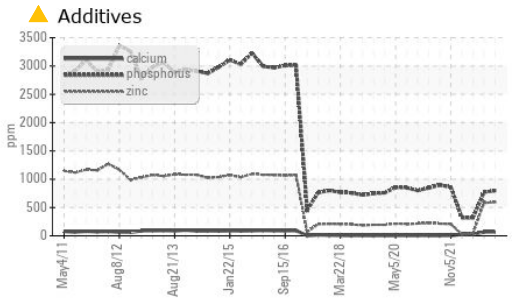
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		**0**	0	6
Iron	ppm	ASTM D5185(m)	>200	**38**	37	41
Chromium	ppm	ASTM D5185(m)	>15	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>15	**2**	2	<1
Titanium	ppm	ASTM D5185(m)		**<1**	<1	0
Silver	ppm	ASTM D5185(m)		**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>25	**8**	10	<1
Lead	ppm	ASTM D5185(m)	>100	**18**	17	<1
Copper	ppm	ASTM D5185(m)	>200	**128**	127	2
Tin	ppm	ASTM D5185(m)	>25	**<1**	<1	0
Antimony	ppm	ASTM D5185(m)	>5	**<1**	0	0
Vanadium	ppm	ASTM D5185(m)		**<1**	<1	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**<1**	<1	0

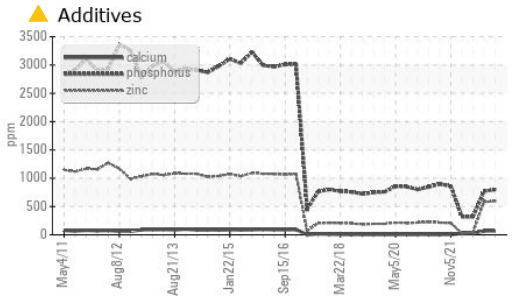
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	4.4	**1**	1	4
Barium	ppm	ASTM D5185(m)	0.0	**<1**	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	**0**	0	34
Manganese	ppm	ASTM D5185(m)		**<1**	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	▲ **30**	▲ 31	1
Calcium	ppm	ASTM D5185(m)	0	▲ **69**	▲ 67	26
Phosphorus	ppm	ASTM D5185(m)	215	▲ **797**	▲ 772	319
Zinc	ppm	ASTM D5185(m)	0	▲ **593**	▲ 581	35
Sulfur	ppm	ASTM D5185(m)	7039	▲ **2392**	▲ 2287	8191
Lithium	ppm	ASTM D5185(m)		**<1**	<1	15

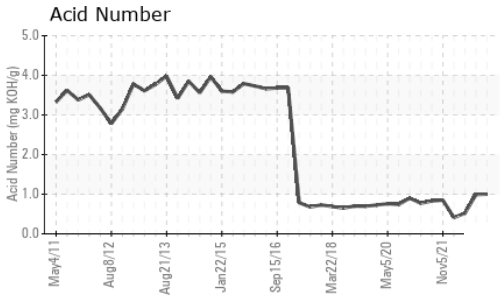
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	**18**	23	9
Sodium	ppm	ASTM D5185(m)		**8**	6	1
Potassium	ppm	ASTM D5185(m)	>20	**2**	1	4

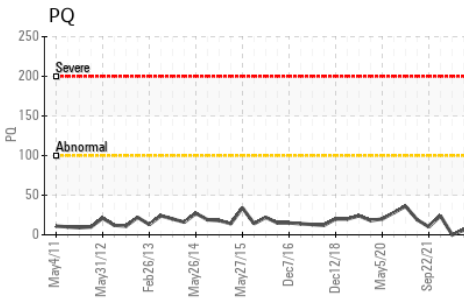
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		**1.00**	0.99	0.52

OIL ANALYSIS REPORT



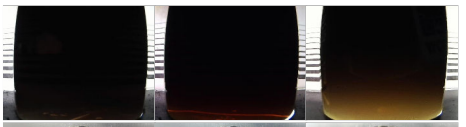




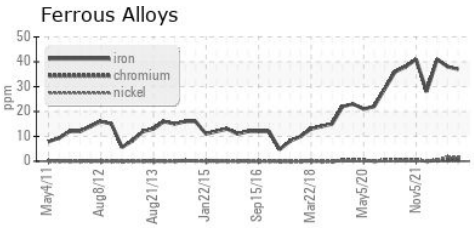


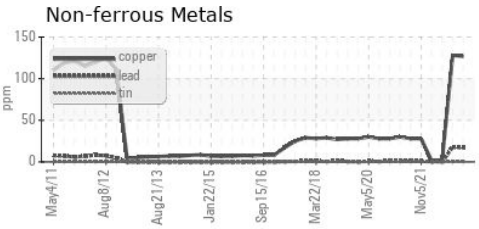
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	NONE	NONE
Sand/Dirt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

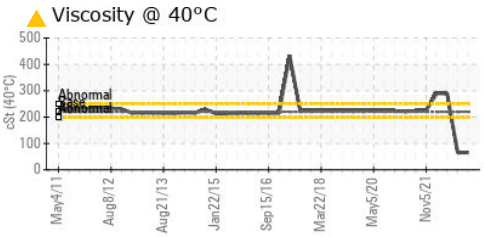
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	▲ **65.6**	▲ 65.1	289

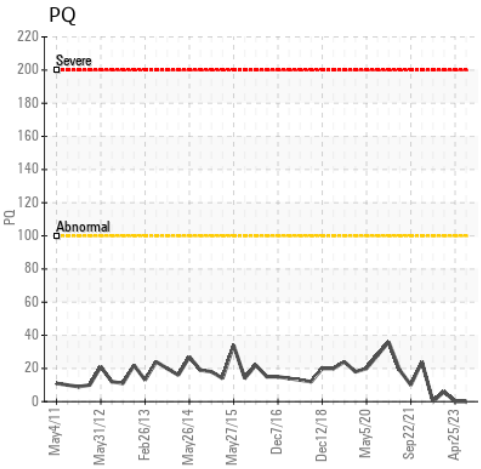
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

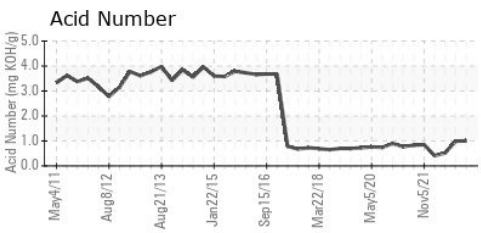
GRAPHS











ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0299468 **Received** : 26 Apr 2023
Lab Number : 02553777 **Diagnosed** : 27 Apr 2023
Unique Number : 5566792 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: 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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