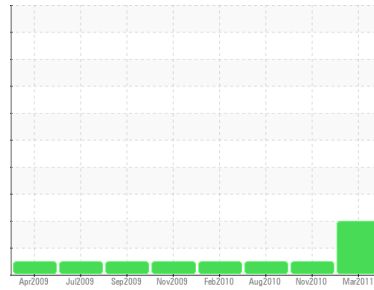




PROBLEM SUMMARY

Sample Rating Trend



VISUAL METAL

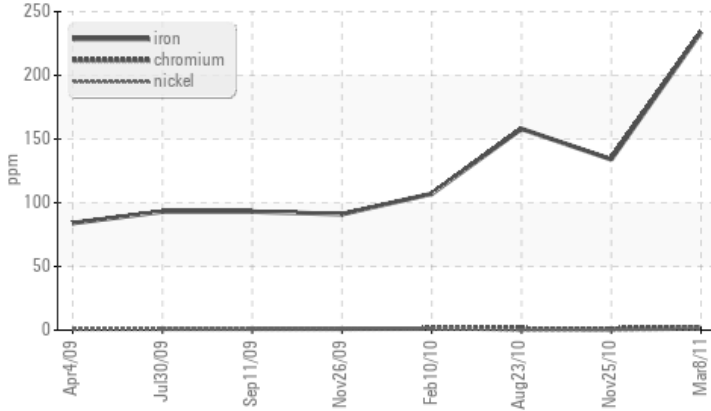


Area
TC01
 Machine Id
TC01 10 Inch Top

Component
Gearbox
 Fluid
TRIBOL GEAROIL 1100/320 (--- LTR)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

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				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)		▲ 234	134	158
White Metal	scalar	Visual*	NONE	▲ MODER	LIGHT	LTMOD
PrtFilter					no image	no image

Customer Id: GOONAP
 Sample No.: WC22086776
 Lab Number: 01670697
 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	MISSED	Aug 31 2016	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	MISSED	Dec 12 2016	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

25 Nov 2010 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 component. The condition of oil is suitable for further service.

[view report](#)



23 Aug 2010 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 component. The condition of oil is suitable for further service.

[view report](#)



10 Feb 2010 Diag: Bill Quesnel

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of oil is suitable for further service.

[view report](#)



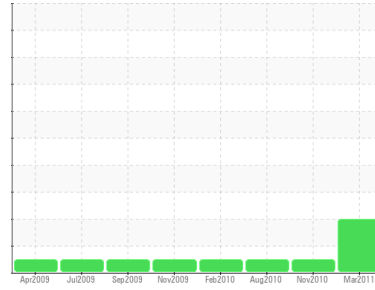


OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Area
TC01
 Machine Id
TC01 10 Inch Top
 Component
Gearbox
 Fluid
TRIBOL GEAROIL 1100/320 (--- LTR)



DIAGNOSIS

Recommendation

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

A sharp increase in the iron level is noted. Light concentration of visible metal present. Gear wear is indicated.

Contamination

There is no indication of any contamination in the component.

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC22086776	WC22085328	WC22083263
Sample Date	Client Info	08 Mar 2011	25 Nov 2010	23 Aug 2010
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	251	111	142
Iron	ppm	▲ 234	134	158
Chromium	ppm	2	1	1
Nickel	ppm	<1	<1	0
Titanium	ppm	0	0	0
Silver	ppm	0	0	0
Aluminum	ppm	4	4	3
Lead	ppm	3	2	2
Copper	ppm	35	26	27
Tin	ppm	0	0	0
Antimony	ppm	2	2	3
Vanadium	ppm	<1	<1	<1
Beryllium	ppm	0	0	0
Cadmium	ppm	0	0	0

ADDITIVES

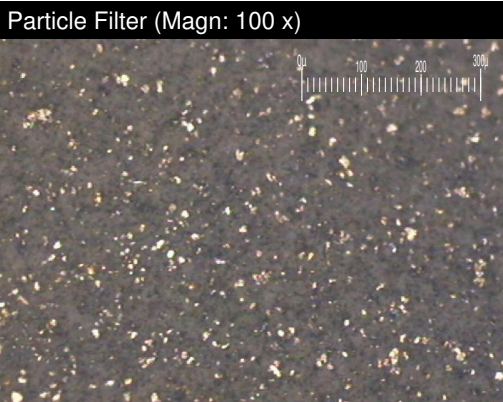
method	limit/base	current	history1	history2
Boron	ppm	1	0	0
Barium	ppm	0	<1	0
Molybdenum	ppm	971	978	1057
Manganese	ppm	3	2	2
Magnesium	ppm	1168	1255	1229
Calcium	ppm	38	40	40
Phosphorus	ppm	1942	1992	1910
Zinc	ppm	1563	1647	1636
Sulfur	ppm	12912	13449	13118
Lithium	ppm	2	---	---

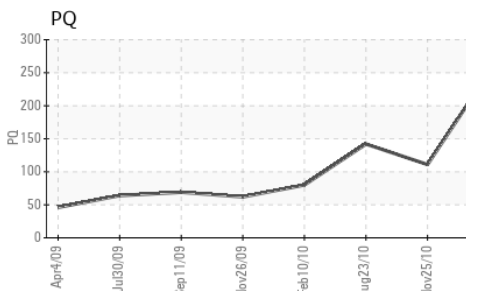
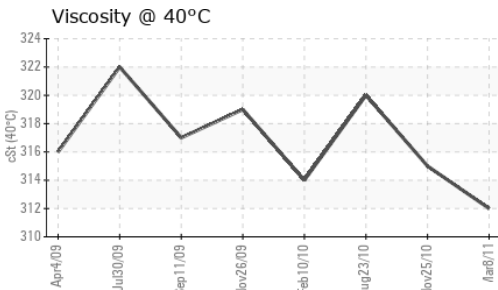
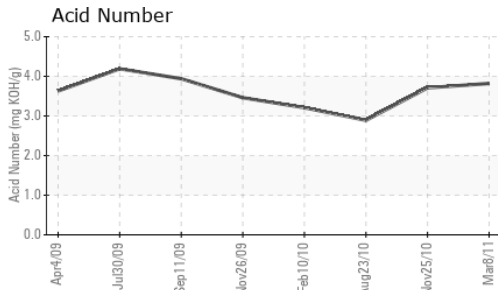
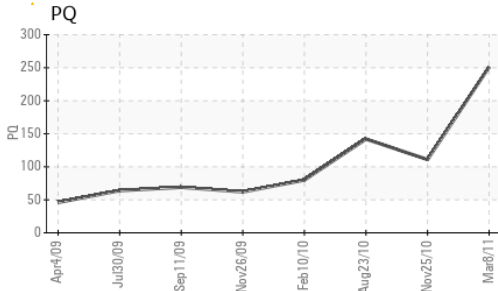
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	20	22	24
Sodium	ppm	3	3	4
Potassium	ppm	0	0	0

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	3.82	3.71	2.89

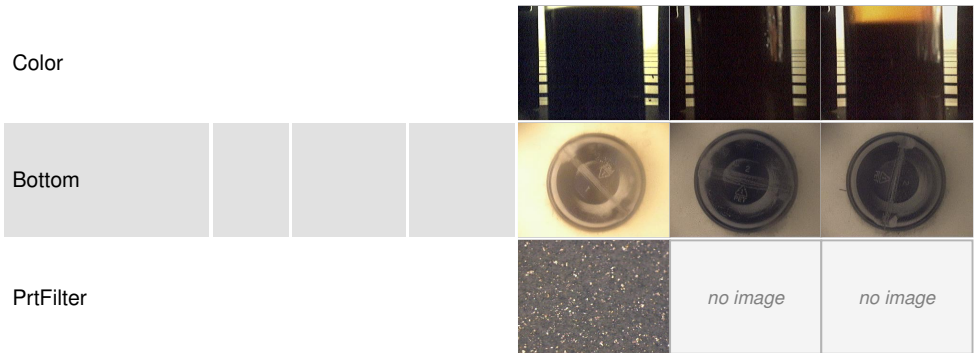




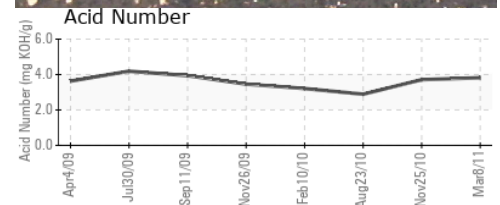
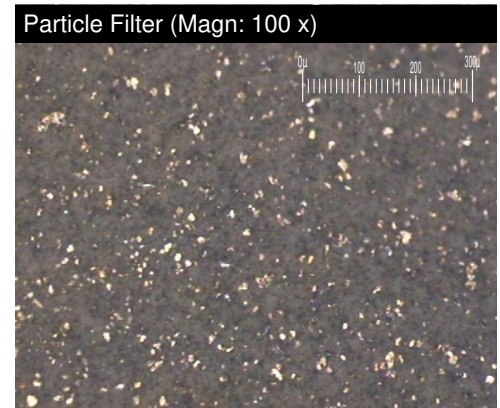
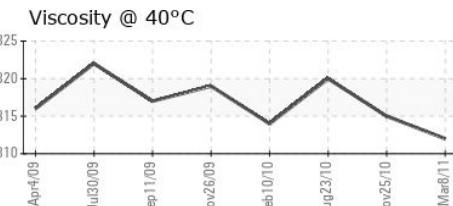
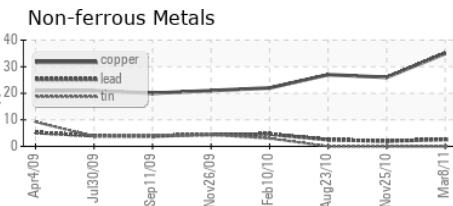
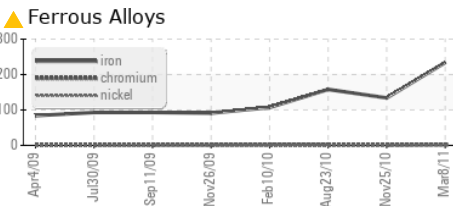
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	▲ MODER	LIGHT	LTMOD
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	LTMOD	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	312	315	320

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC22086776
Lab Number : 01670697
Unique Number : 3278956
Test Package : IND 2 (Additional Tests: Bottom, BottomAnalysis, FILTERPATCH)

Goodyear Napanee
 388 GOODYEAR ROAD
 NAPANEE, ON
 CA K7R 3L2

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.

Contact: Mohammad Waleed
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