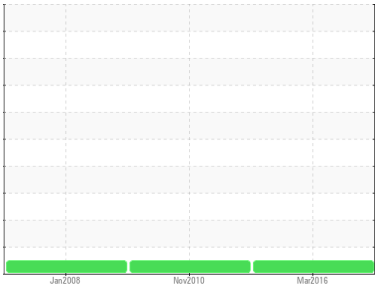
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
KEN 1
Component
Transmission
Fluid
BG PRODUCTS SHEAR POWER SEMISYN 10W40 (5 QTS)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the component.

Fluid Condition
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WCM2244429**	WCM2047247	WCM2026658
Sample Date		Client Info		**31 Mar 2016**	03 Nov 2010	03 Jan 2008
Machine Age	mls	Client Info		**236370**	139089	57971
Oil Age	mls	Client Info		**97281**	81118	57971
Oil Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

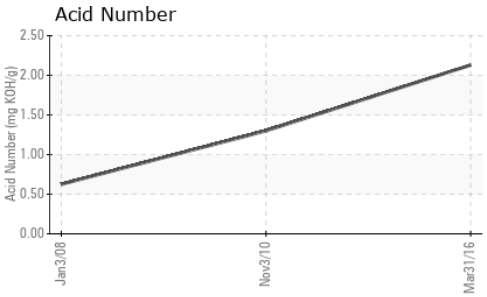
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**58**	77	89
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	<1
Nickel	ppm	ASTM D5185m		**1**	3	4
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>50	**7**	5	6
Lead	ppm	ASTM D5185m	>50	**19**	50	17
Copper	ppm	ASTM D5185m	>200	**112**	103	98
Tin	ppm	ASTM D5185m	>10	**4**	4	1
Antimony	ppm	ASTM D5185m		**0**	0	1
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	<1

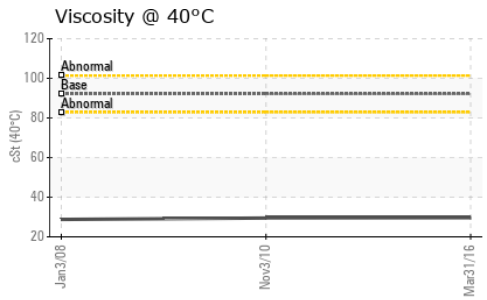
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**168**	68	70
Barium	ppm	ASTM D5185m		**<1**	<1	<1
Molybdenum	ppm	ASTM D5185m		**0**	<1	0
Manganese	ppm	ASTM D5185m		**1**	2	5
Magnesium	ppm	ASTM D5185m		**<1**	<1	0
Calcium	ppm	ASTM D5185m		**167**	152	41
Phosphorus	ppm	ASTM D5185m		**483**	337	193
Zinc	ppm	ASTM D5185m		**12**	6	6
Sulfur	ppm	ASTM D5185m		**2606**	2341	1250

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**6**	4	4
Sodium	ppm	ASTM D5185m		**7**	10	8
Potassium	ppm	ASTM D5185m	>20	**3**	5	18

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**2.13**	1.30	0.626

OIL ANALYSIS REPORT



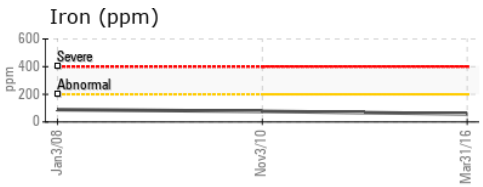


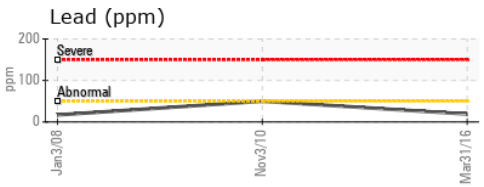
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**LIGHT**	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

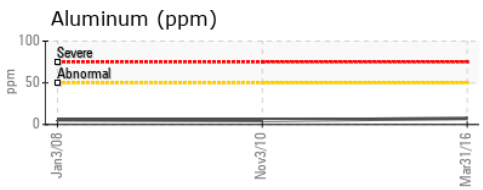
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	92.13	**29.62**	29.49	28.79

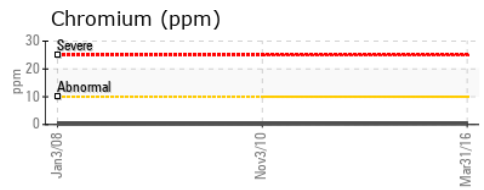
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

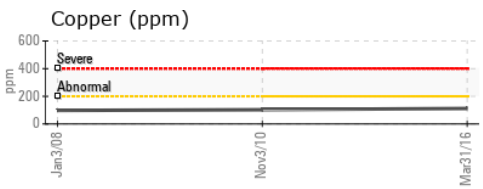
GRAPHS

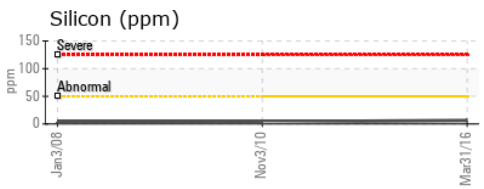


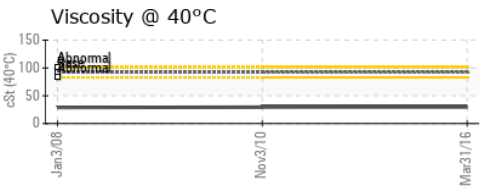


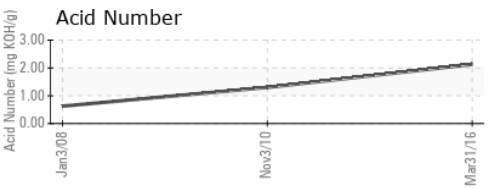












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCM2244429
Lab Number : 03958219
Unique Number : 7358678
Test Package : MOB 2

Received : 07 Apr 2016
Tested : 11 Apr 2016
Diagnosed : 11 Apr 2016 - Jonathan Hester

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)

WEARCHECK USA
501 Madison Ave
Cary, NC
US 27513
Contact: CHEVRON DEMO
jfazenbaker@nc.rr.com
T:
F: (919)379-4050