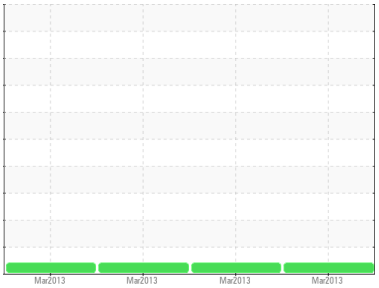
OIL ANALYSIS REPORT

Area
KANSAS/44/EG - OTHER SERVICE
Machine Id
63.03 [KANSAS^44^EG - OTHER SERVICE]
Component
Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



VISCOSITY

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
Viscosity of sample indicates oil is within SAE 60 range, advise investigate. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC91798075**	WC91798068	WC91714036
Sample Date		Client Info		**29 Mar 2013**	29 Mar 2013	29 Mar 2013
Machine Age	hrs	Client Info		**4920**	4920	4920
Oil Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		**17**	12	15
Chromium	ppm	ASTM D5185(m)		**0**	0	0
Nickel	ppm	ASTM D5185(m)		**0**	0	0
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)		**0**	0	0
Aluminum	ppm	ASTM D5185(m)		**2**	5	2
Lead	ppm	ASTM D5185(m)		**0**	0	0
Copper	ppm	ASTM D5185(m)		**11**	37	12
Tin	ppm	ASTM D5185(m)		**0**	0	1
Vanadium	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)		**5**	2	1
Barium	ppm	ASTM D5185(m)		**0**	0	0
Molybdenum	ppm	ASTM D5185(m)		**1**	1	0
Magnesium	ppm	ASTM D5185(m)		**44**	23	31
Calcium	ppm	ASTM D5185(m)		**2796**	2172	1993
Phosphorus	ppm	ASTM D5185(m)		**1024**	782	754
Zinc	ppm	ASTM D5185(m)		**1106**	842	815

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**8**	5	5
Sodium	ppm	ASTM D5185(m)		**1**	1	2
Potassium	ppm	ASTM D5185(m)		**0**	0	1

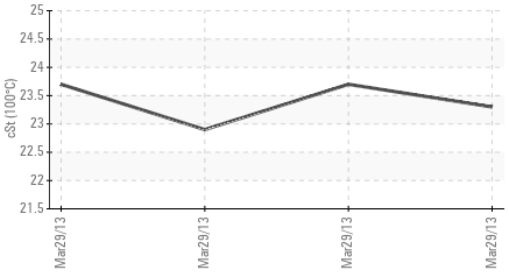
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		**0**	0	0

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)		**▲ 23.3**	▲ 23.7	▲ 22.9

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

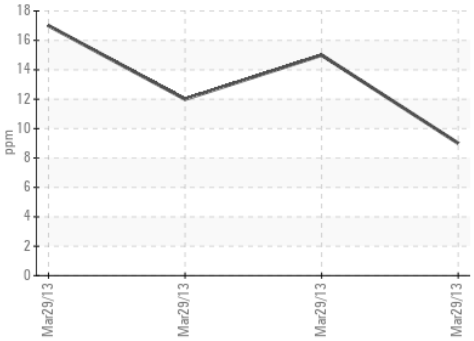
OIL ANALYSIS REPORT

Viscosity @ 100°C

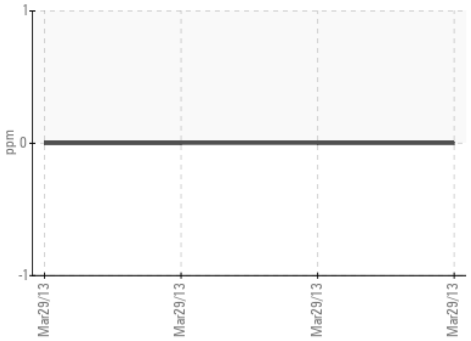


GRAPHS

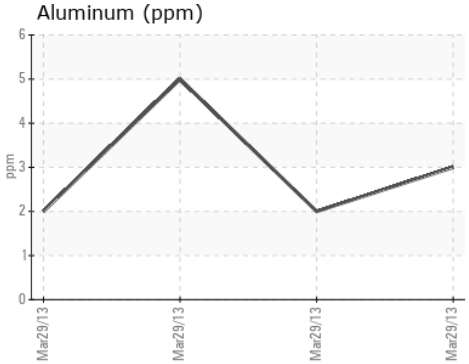
Iron (ppm)



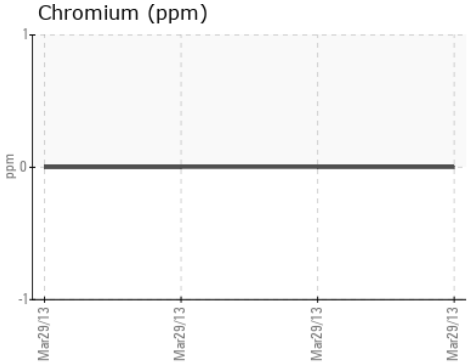
Lead (ppm)



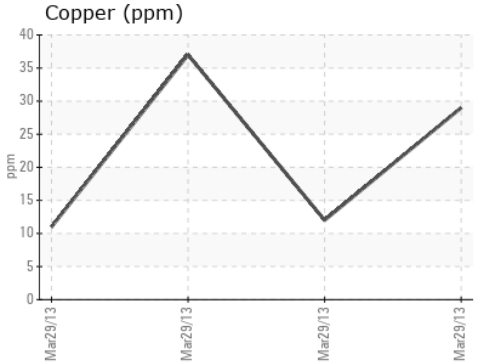
Aluminum (ppm)



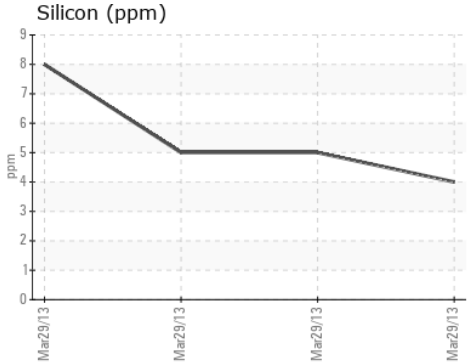
Chromium (ppm)



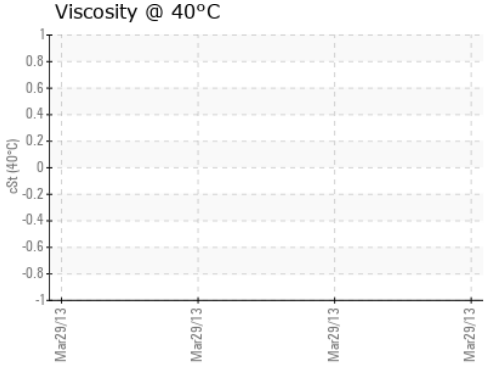
Copper (ppm)



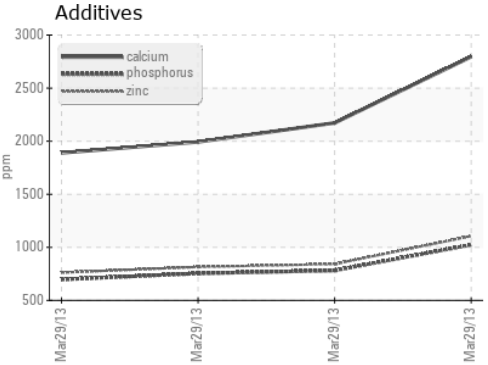
Silicon (ppm)



Viscosity @ 40°C



Additives



Laboratory : WearCheck -
Sample No. : WC91798075
Lab Number : 91798075
Unique Number : 9426050
Test Package : MOB 1 (Additional Tests: FT-IR, ICP, KV100)

Received : 01 Apr 2013
Diagnosed : 12 Jun 2014
Diagnostician : Wes Davis

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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