

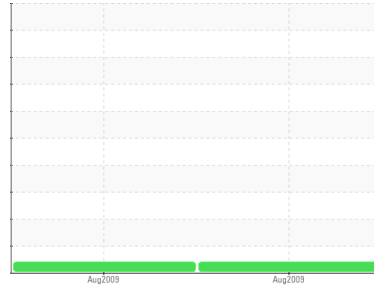


OIL ANALYSIS REPORT



Area
KANSAS/44/EG - EXCAVATOR
 Machine Id
20.12W [KANSAS^44^EG - EXCAVATOR]
 Component
Not Applicable
 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 70W80 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		WC74468060	WC74468031	---
Sample Date	Client Info		28 Aug 2009	28 Aug 2009	---
Machine Age	Client Info		614	614	---
Oil Age	Client Info		614	614	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	198	124	---
Chromium	ppm	ASTM D5185(m)	8	6	---
Nickel	ppm	ASTM D5185(m)	0	0	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m)	4	3	---
Lead	ppm	ASTM D5185(m)	0	0	---
Copper	ppm	ASTM D5185(m)	4	3	---
Tin	ppm	ASTM D5185(m)	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	46	46	---
Barium	ppm	ASTM D5185(m)	29	24	---
Molybdenum	ppm	ASTM D5185(m)	2	1	---
Magnesium	ppm	ASTM D5185(m)	13	12	---
Calcium	ppm	ASTM D5185(m)	3811	3907	---
Phosphorus	ppm	ASTM D5185(m)	824	842	---
Zinc	ppm	ASTM D5185(m)	1090	1124	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	27	25	---
Sodium	ppm	ASTM D5185(m)	6	6	---
Potassium	ppm	ASTM D5185(m)	16	15	---

FLUID DEGRADATION

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

FLUID PROPERTIES

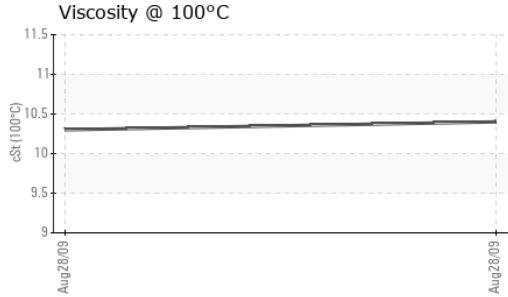
	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	▲ 10.4	▲ 10.3	---

SAMPLE IMAGES

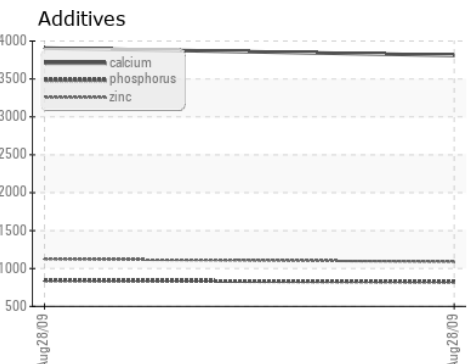
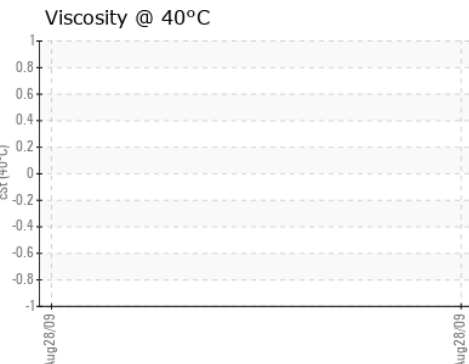
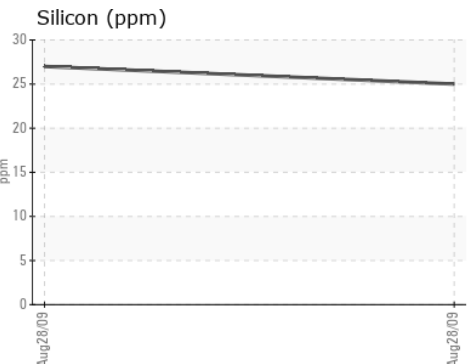
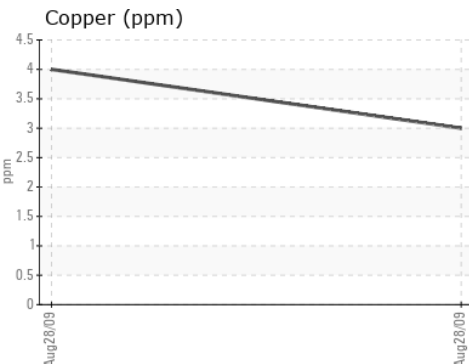
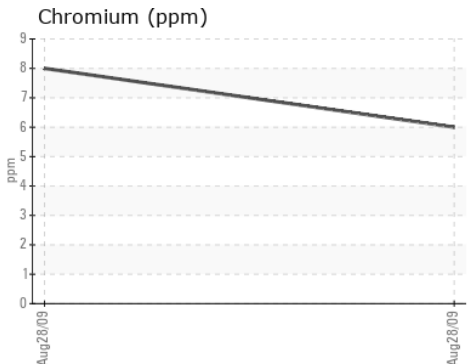
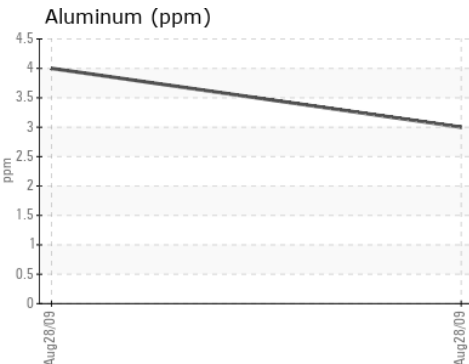
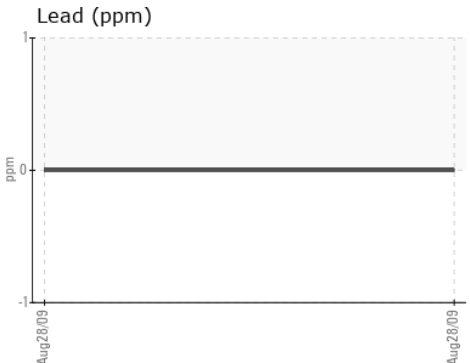
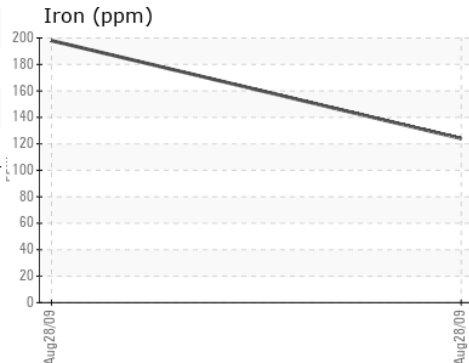
	method	limit/base	current	history1	history2
Color				<i>no image</i>	<i>no image</i>
Bottom				<i>no image</i>	<i>no image</i>



OIL ANALYSIS REPORT



GRAPHS



Laboratory : WearCheck -
 Sample No. : WC74468060
 Lab Number : 74468060
 Unique Number : 9417487
 Test Package : MOB 1 (Additional Tests: FT-IR, ICP, KV100)

Received : 01 Oct 2009
 Diagnosed : 11 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.

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: DOUG KING
 doug.king@sherwood.net
 T: (316)617-3161
 F: x: