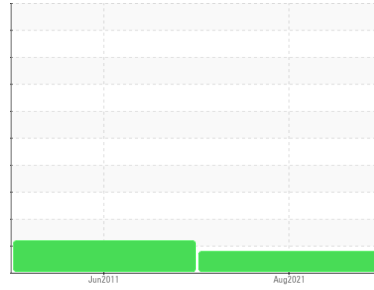




PROBLEM SUMMARY

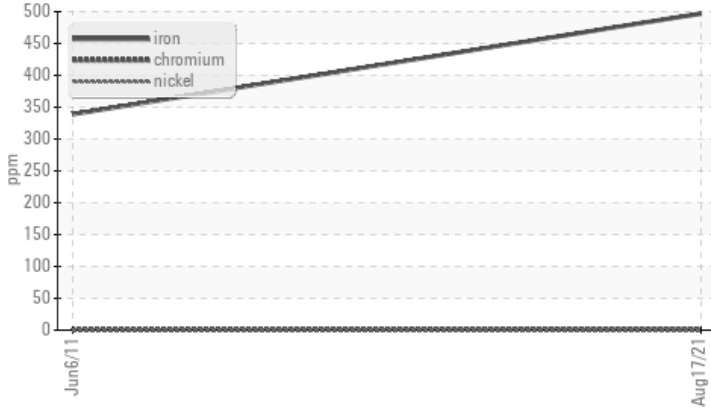
Sample Rating Trend



Area
KANSAS/44/EG - TRUCK-ON-HWY-HEAVY DUTY
 Machine Id
08.10W [KANSAS^44^EG - TRUCK-ON-HWY-HEAVY DUTY]
 Component
Transmission
 Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys




RECOMMENDATION

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status	iron	chromium	nickel
ppm	497	339	---
ASTM D5185m	>200		
ABNORMAL	▲	▲	---
ABNORMAL			

Customer Id: SHEWIC
 Sample No.: WC0585776
 Lab Number: 05333423
 Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

06 Jun 2011 Diag: Wes Davis

WEAR



The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. Gear wear is indicated. There is no indication of any contamination in the component. Viscosity of sample indicates oil is within ISO 7 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report



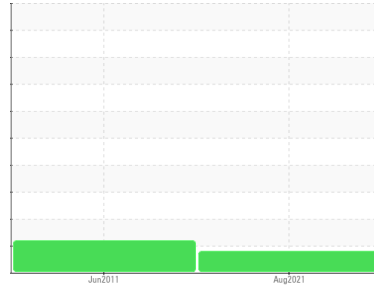


OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
KANSAS/44/EG - TRUCK-ON-HWY-HEAVY DUTY
 Machine Id
08.10W [KANSAS^44^EG - TRUCK-ON-HWY-HEAVY DUTY]
 Component
Transmission
 Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)



DIAGNOSIS

Recommendation

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

Confirm oil type. The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0585776	WC65198061	---
Sample Date	Client Info		17 Aug 2021	06 Jun 2011	---
Machine Age	hrs	Client Info	12108	8542	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	▲ 497	▲ 339	---
Chromium	ppm	ASTM D5185m >10	<1	0	---
Nickel	ppm	ASTM D5185m	<1	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >50	23	26	---
Lead	ppm	ASTM D5185m >50	6	27	---
Copper	ppm	ASTM D5185m >200	12	23	---
Tin	ppm	ASTM D5185m >10	0	4	---
Antimony	ppm	ASTM D5185m	0	---	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

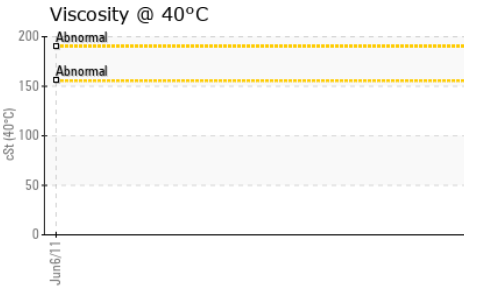
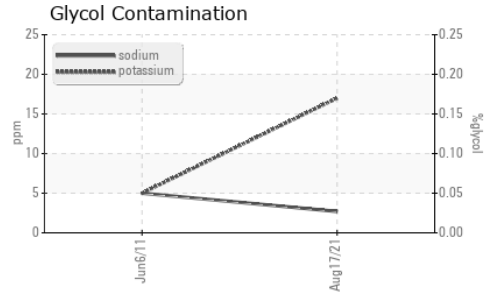
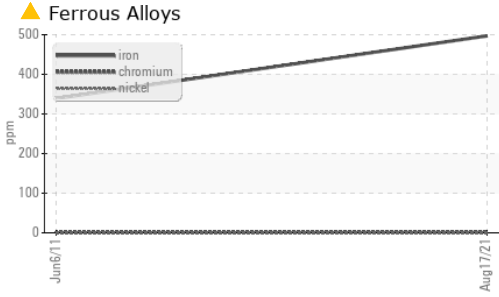
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	110	56	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	3	---	---
Magnesium	ppm	ASTM D5185m	0	3	---
Calcium	ppm	ASTM D5185m	46	54	---
Phosphorus	ppm	ASTM D5185m	292	209	---
Zinc	ppm	ASTM D5185m	9	9	---
Sulfur	ppm	ASTM D5185m	1076	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	8	6	---
Sodium	ppm	ASTM D5185m	3	5	---
Potassium	ppm	ASTM D5185m >20	17	5	---

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



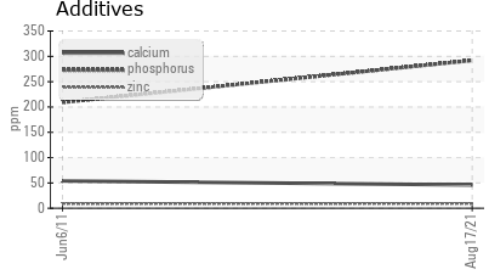
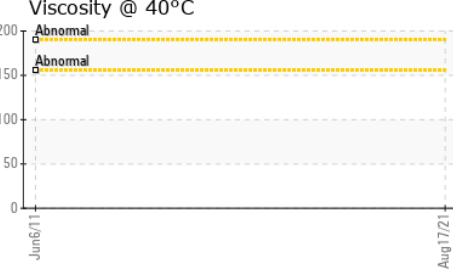
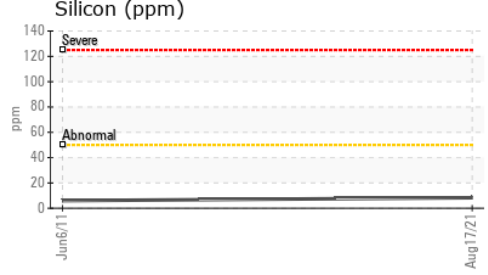
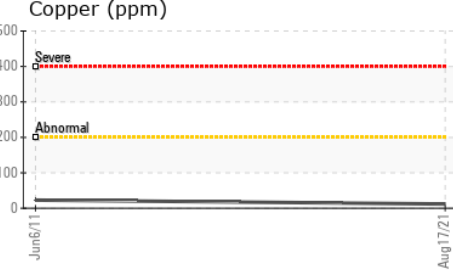
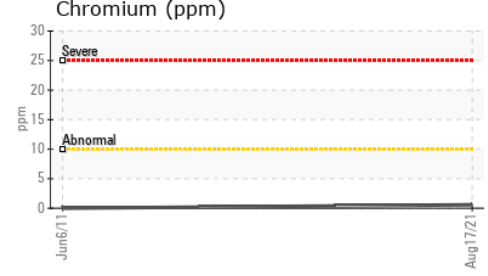
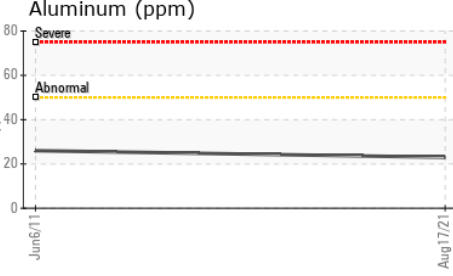
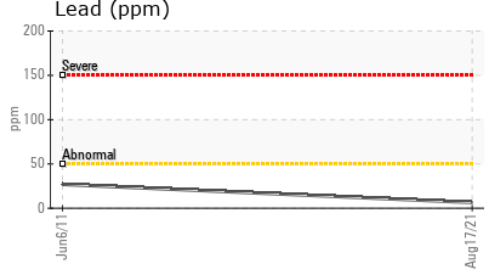
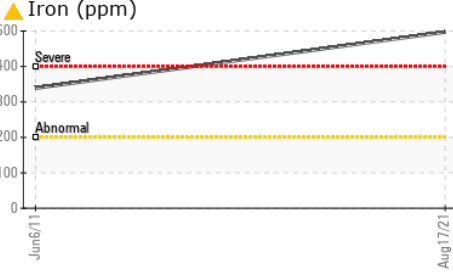
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	35.1	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0585776 **Received** : 23 Aug 2021
Lab Number : 05333423 **Diagnosed** : 24 Aug 2021
Unique Number : 9632421 **Diagnostician** : Don Baldrige
Test Package : MOBCE (Additional Tests: Glycol)

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:

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)