

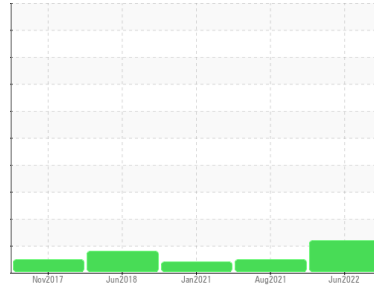


PROBLEM SUMMARY



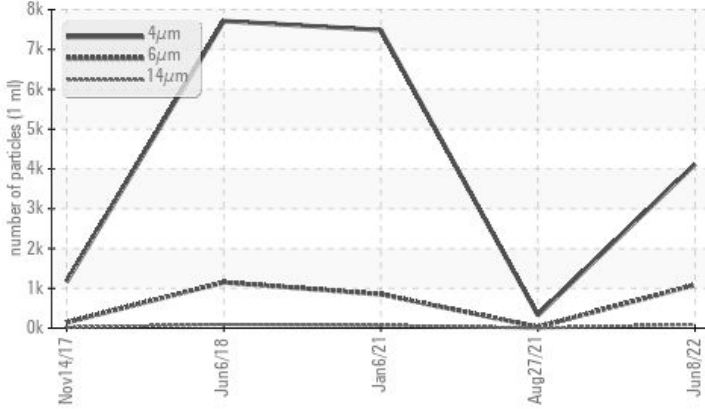
Area
KANSAS/44/EG - TRUCK-OFF-HWY-HEAVY HAUL
 Machine Id
69.98L [KANSAS^44^EG - TRUCK-OFF-HWY-HEAVY HAUL]
 Component
Steering
 Fluid
MOBIL MOBILTRANS AST 30 (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	NORMAL	ATTENTION
Particles >6µm	ASTM D7647	>640	▲ 1084	28	▲ 849
Particles >14µm	ASTM D7647	>80	▲ 93	2	69
Oil Cleanliness	ISO 4406 (c)	>--/16/13	▲ 19/17/14	16/12/9	▲ 20/17/13

Customer Id: SHEWIC
 Sample No.: WC0702219
 Lab Number: 05569568
 Test Package: CONST



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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

27 Aug 2021 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

view report



06 Jan 2021 Diag: Jonathan Hester

ISO



The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

view report



06 Jun 2018 Diag: Wes Davis

ISO



The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the fluid. The condition of the fluid is acceptable for the time in service.

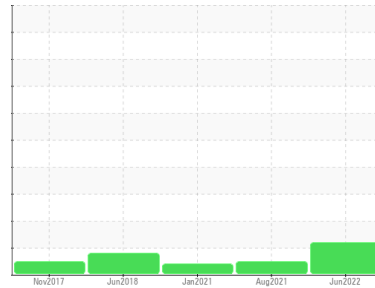
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
KANSAS/44/EG - TRUCK-OFF-HWY-HEAVY HAUL
 Machine Id
69.98L [KANSAS^44^EG - TRUCK-OFF-HWY-HEAVY HAUL]
 Component
Steering
 Fluid
MOBIL MOBILTRANS AST 30 (--- GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the fluid.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0702219	WC0616658	WC0527830
Sample Date	Client Info		08 Jun 2022	27 Aug 2021	06 Jan 2021
Machine Age	hrs	Client Info	6600	6120	5572
Oil Age	hrs	Client Info	500	3048	1000
Oil Changed	Client Info		Not Chngd	Changed	N/A
Sample Status			ATTENTION	NORMAL	ATTENTION

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >60	3	10	4
Chromium	ppm	ASTM D5185m >12	0	<1	<1
Nickel	ppm	ASTM D5185m >6	0	<1	0
Titanium	ppm	ASTM D5185m	0	<1	<1
Silver	ppm	ASTM D5185m	<1	<1	<1
Aluminum	ppm	ASTM D5185m >4	1	0	2
Lead	ppm	ASTM D5185m >12	<1	1	<1
Copper	ppm	ASTM D5185m >30	<1	1	<1
Tin	ppm	ASTM D5185m	0	0	<1
Antimony	ppm	ASTM D5185m	---	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	38	29	20
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	1	<1	3
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	26	17	73
Calcium	ppm	ASTM D5185m	2879	3231	2961
Phosphorus	ppm	ASTM D5185m	957	1047	1014
Zinc	ppm	ASTM D5185m	1192	1257	1231
Sulfur	ppm	ASTM D5185m	4819	5175	5991

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >10	6	14	7
Sodium	ppm	ASTM D5185m	2	<1	3
Potassium	ppm	ASTM D5185m >20	0	<1	2

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		4116	325	7484
Particles >6µm	ASTM D7647	>640	▲ 1084	28	▲ 849
Particles >14µm	ASTM D7647	>80	▲ 93	2	69
Particles >21µm	ASTM D7647	>20	18	0	20
Particles >38µm	ASTM D7647	>4	1	0	1
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>--/16/13	▲ 19/17/14	16/12/9	▲ 20/17/13

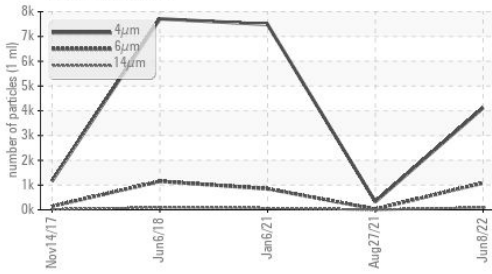
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.54	1.417	1.451

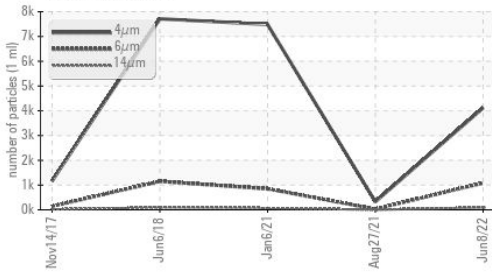


OIL ANALYSIS REPORT

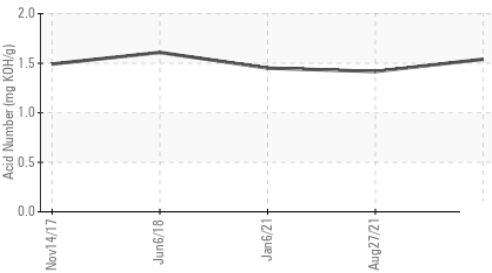
▲ Particle Trend



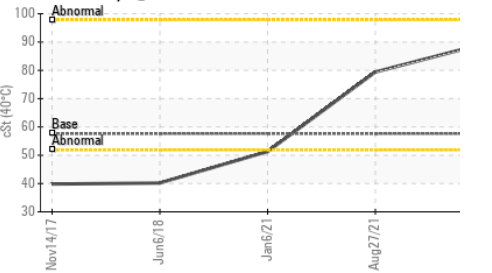
▲ Particle Trend



Acid Number



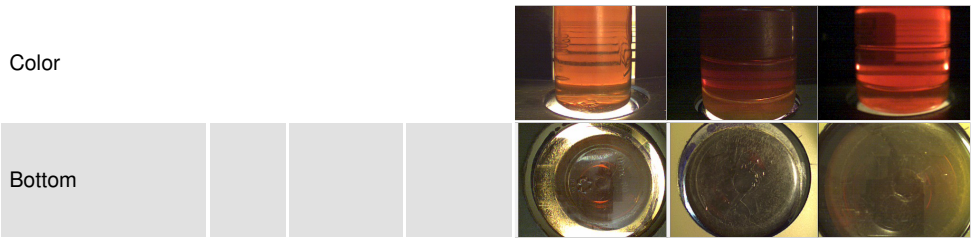
Viscosity @ 40°C



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

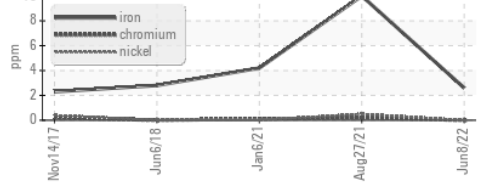
FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.6	89.3	79.4	51.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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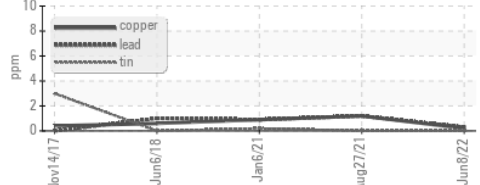


GRAPHS

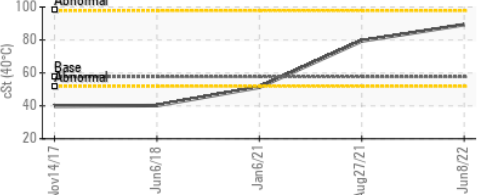
Ferrous Alloys



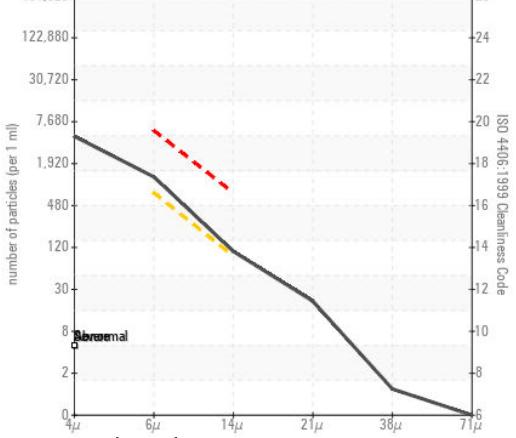
Non-ferrous Metals



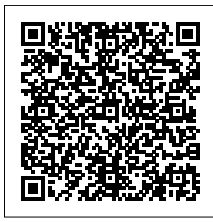
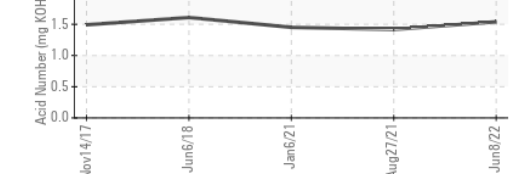
Viscosity @ 40°C



▲ Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0702219 **Received** : 15 Jun 2022
Lab Number : 05569568 **Diagnosed** : 17 Jun 2022
Unique Number : 10013968 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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 US 67213
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 doug.king@sherwood.net
 T: (316)617-3161
 F: x:

Certificate L2367
 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)