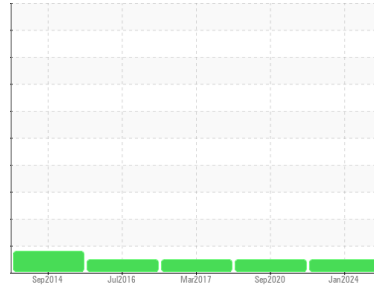




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
COLORADO
Machine Id
2013 MACK 10277
Component
Transmission (Auto)
Fluid
CASTROL TRANSYND (--- GAL)

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 fluid.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0810713	WC0505889	WCMFB68400
Sample Date	Client Info		05 Jan 2024	12 Sep 2020	02 Mar 2017
Machine Age	hrs	Client Info	12938	11238	6065
Oil Age	hrs	Client Info	0	0	4066
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
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	>220	51	130	123
Chromium	ppm	ASTM D5185m	>2	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	2
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>75	19	44	38
Lead	ppm	ASTM D5185m	>95	4	14	30
Copper	ppm	ASTM D5185m	>60	10	28	21
Tin	ppm	ASTM D5185m	>10	2	3	5
Antimony	ppm	ASTM D5185m	>2	---	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	133	126	80	98
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m	0	3	0	0
Calcium	ppm	ASTM D5185m	27	48	60	23
Phosphorus	ppm	ASTM D5185m	293	297	266	266
Zinc	ppm	ASTM D5185m	0	0	19	0
Sulfur	ppm	ASTM D5185m	1050	779	218	265

CONTAMINANTS

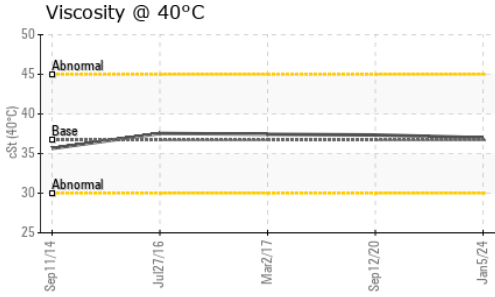
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	7	5	4
Sodium	ppm	ASTM D5185m		2	4	4
Potassium	ppm	ASTM D5185m	>20	1	0	2

VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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	NONE
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



OIL ANALYSIS REPORT

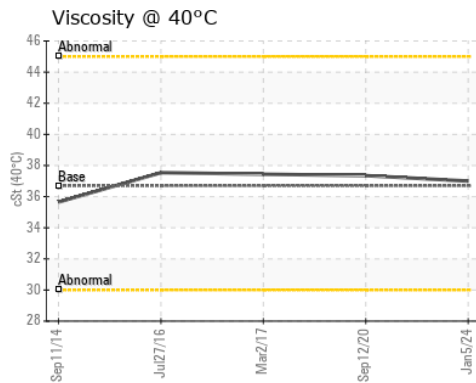
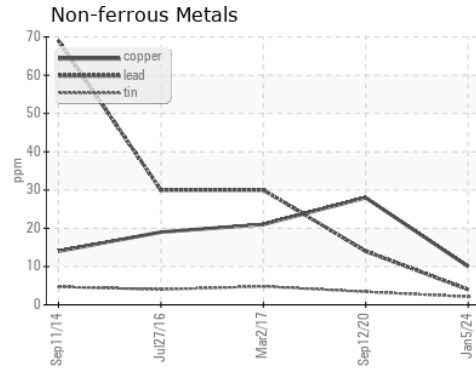
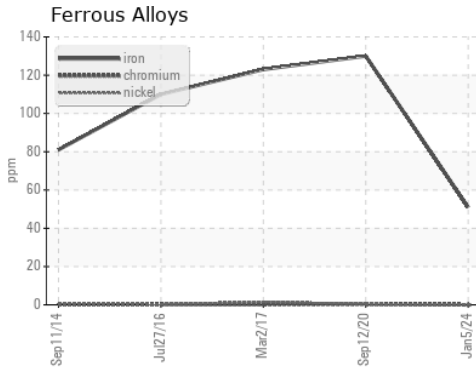


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	36.7	37.0	37.35	37.44

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : WC0810713 **Received** : 10 Jan 2024
Lab Number : **06057545** **Diagnosed** : 11 Jan 2024
Unique Number : 10823494 **Diagnostician** : Wes Davis
Test Package : FLEET

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)

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