



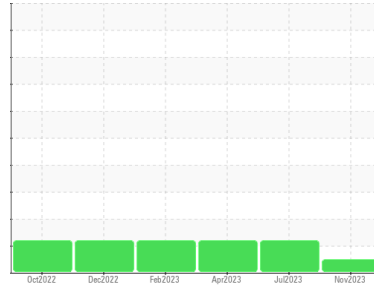
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
2M34
 Machine Id
FREIGHTLINER M2 106 MEDIUM DUTY 8461
 Component
Transmission (Auto)
 Fluid
DEXRON III (--- 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 oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ARI0006822	ARI0006895	ARI0006807
Sample Date	Client Info		13 Nov 2023	21 Jul 2023	20 Apr 2023
Machine Age	mls	Client Info	29797	26577	21715
Oil Age	mls	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	84	82	71
Chromium	ppm	ASTM D5185m >5	<1	<1	<1
Nickel	ppm	ASTM D5185m >5	<1	<1	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m >5	0	0	0
Aluminum	ppm	ASTM D5185m >50	16	17	14
Lead	ppm	ASTM D5185m >50	7	7	4
Copper	ppm	ASTM D5185m >225	8	7	6
Tin	ppm	ASTM D5185m >10	2	2	1
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	100	100	104
Barium	ppm	ASTM D5185m	0	1	0
Molybdenum	ppm	ASTM D5185m	0	1	1
Manganese	ppm	ASTM D5185m	3	2	3
Magnesium	ppm	ASTM D5185m	<1	2	0
Calcium	ppm	ASTM D5185m	40	43	50
Phosphorus	ppm	ASTM D5185m	254	278	274
Zinc	ppm	ASTM D5185m	0	4	6
Sulfur	ppm	ASTM D5185m	765	1006	1032

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	5	5	5
Sodium	ppm	ASTM D5185m	9	7	8
Potassium	ppm	ASTM D5185m >20	5	3	4

VISUAL

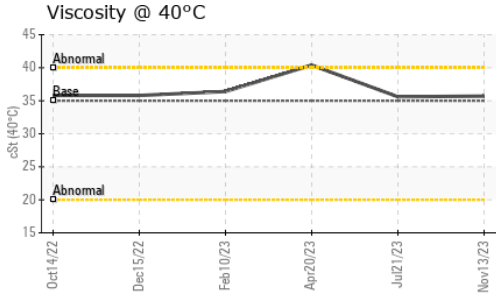
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	▲ MODER	▲ MODER
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	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

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 35.0	35.7	35.6	40.4

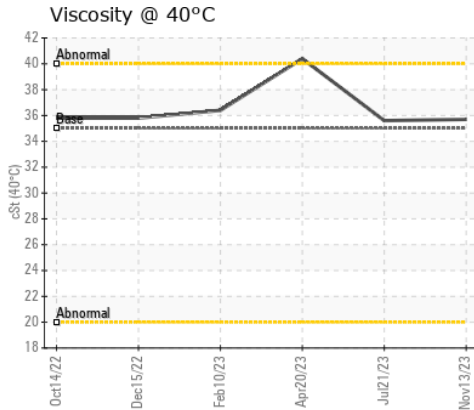
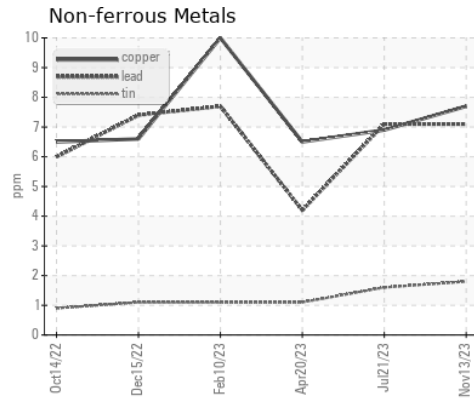
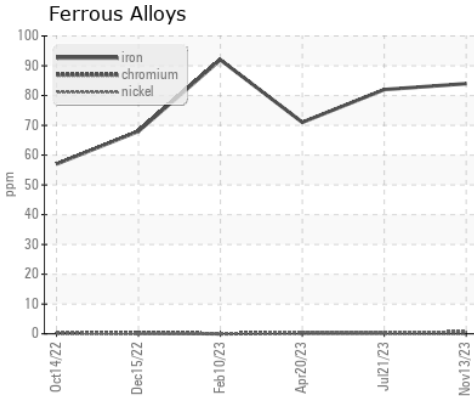


OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
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. : ARI0006822 **Received** : 15 Nov 2023
Lab Number : 06009240 **Diagnosed** : 19 Nov 2023
Unique Number : 10743002 **Diagnostician** : Don Baldrige
Test Package : CONST

INSITUFORM TECHNOLOGIES, INC
 709 EAST ORDANANCE ROAD SUITE 501
 BALTIMORE, MD
 US 21226

Contact: ALBERT FRIEDRICH
 AFRIEDRICH@INSITUFORM.COM

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)

T: (240)388-1832

F: