

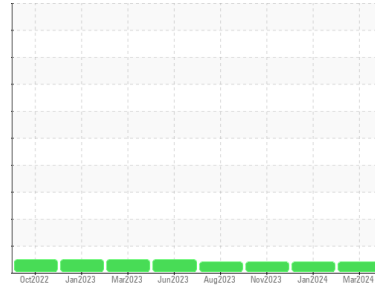
OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Area
Cozzi MH1
 Machine Id
SANY 405K Sany SW405K SW4054CB00668
 Component
Front Differential
 Fluid
CITGO PREMIUM GEAR 80W90 (--- GAL)



DIAGNOSIS

- Recommendation**
No corrective action is recommended at this time. 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 oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0115488	LW0008268	LW0007628
Sample Date	Client Info		28 Mar 2024	09 Jan 2024	03 Nov 2023
Machine Age	hrs	Client Info	4100	3549	3057
Oil Age	hrs	Client Info	4100	3549	3057
Oil Changed	Client Info		Not Changd	Not Changd	Not Changd
Sample Status			ATTENTION	ATTENTION	ATTENTION

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	162	156	128
Chromium	ppm	ASTM D5185m >10	<1	<1	<1
Nickel	ppm	ASTM D5185m >10	<1	<1	0
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	<1	2	<1
Lead	ppm	ASTM D5185m >25	0	<1	0
Copper	ppm	ASTM D5185m >100	73	77	60
Tin	ppm	ASTM D5185m >10	6	6	5
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	0	4	0
Molybdenum	ppm	ASTM D5185m	2	4	3
Manganese	ppm	ASTM D5185m	2	2	2
Magnesium	ppm	ASTM D5185m	5	9	0
Calcium	ppm	ASTM D5185m	32	34	28
Phosphorus	ppm	ASTM D5185m	344	356	324
Zinc	ppm	ASTM D5185m	33	28	30
Sulfur	ppm	ASTM D5185m	18870	17075	16133

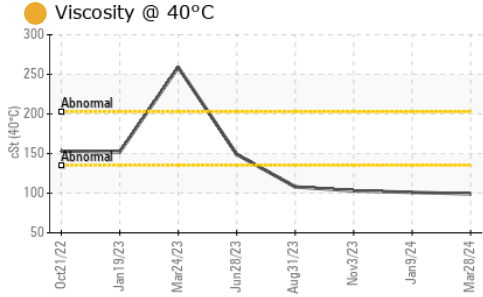
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	4	3	2
Sodium	ppm	ASTM D5185m	2	0	2
Potassium	ppm	ASTM D5185m >20	0	2	0

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	LIGHT	LIGHT	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 >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT



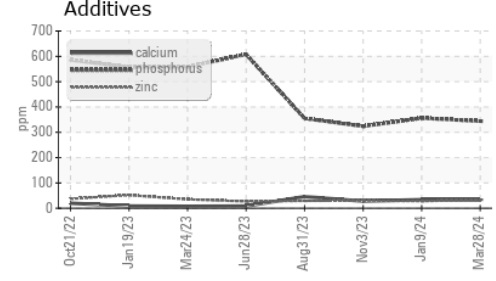
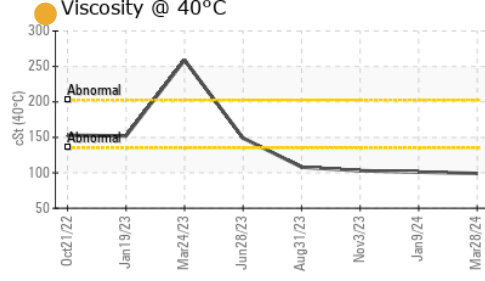
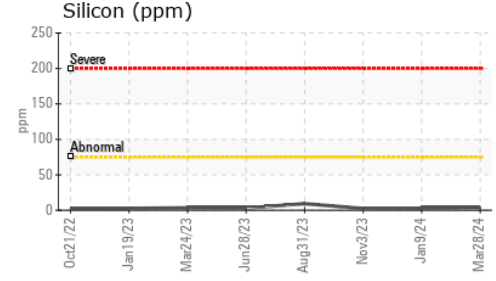
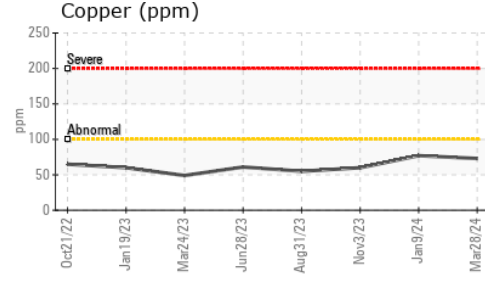
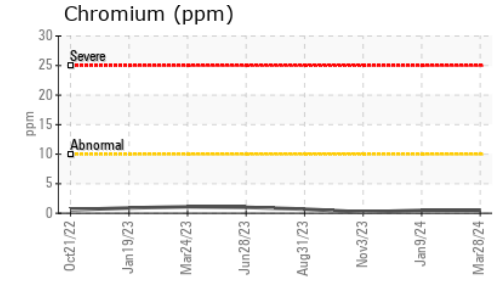
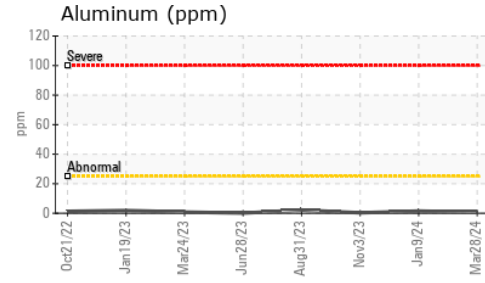
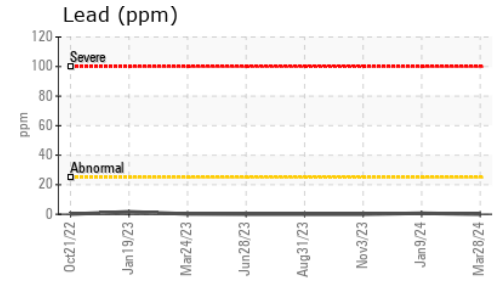
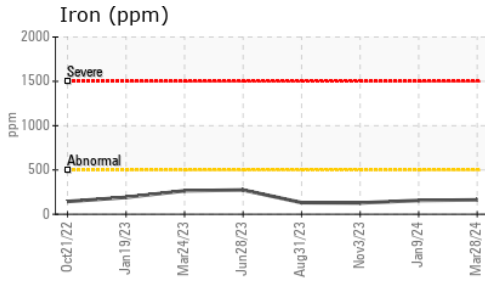
FLUID PROPERTIES

method: ASTM D445 limit/base: current: **99.1** history1: 101 history2: 103

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. : PCA0115488 **Received** : 02 Apr 2024
Lab Number : **06136682** **Tested** : 03 Apr 2024
Unique Number : 10956147 **Diagnosed** : 04 Apr 2024 - Don Baldrige
Test Package : MOB 1

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 3142 EAST LINCOLN
 LYNWOOD, IL
 US 60411-7728
 Contact: Mike Korblik
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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)