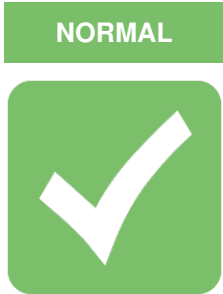
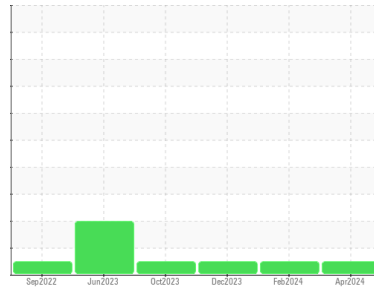


OIL ANALYSIS REPORT

Area
Nickelson
 Machine Id
Sany SY365 SY036MCB00618 Nickelson
 Component
Hydraulic System
 Fluid
CITGO AW HYDRAULIC ISO 46 (--- GAL)

Sample Rating Trend



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		PCA0115502	LW0008311	LW0008242
Sample Date	Client Info		04 Apr 2024	28 Feb 2024	19 Dec 2023
Machine Age	hrs	Client Info	2845	2576	2158
Oil Age	hrs	Client Info	2845	2576	2158
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
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 >20	5	3	9
Chromium	ppm	ASTM D5185m >10	1	<1	<1
Nickel	ppm	ASTM D5185m >10	<1	0	0
Titanium	ppm	ASTM D5185m	1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >10	2	<1	2
Lead	ppm	ASTM D5185m >10	<1	3	0
Copper	ppm	ASTM D5185m >75	3	2	5
Tin	ppm	ASTM D5185m >10	1	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	63	59	3
Barium	ppm	ASTM D5185m	<1	0	0
Molybdenum	ppm	ASTM D5185m	4	3	4
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m	48	47	14
Calcium	ppm	ASTM D5185m	1892	1841	316
Phosphorus	ppm	ASTM D5185m	856	788	464
Zinc	ppm	ASTM D5185m	1047	909	608
Sulfur	ppm	ASTM D5185m	2703	2222	1325

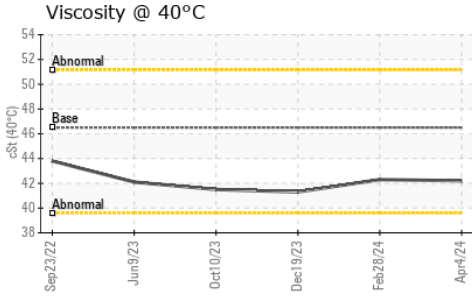
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	6	5	1
Sodium	ppm	ASTM D5185m	0	1	0
Potassium	ppm	ASTM D5185m >20	2	0	<1

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

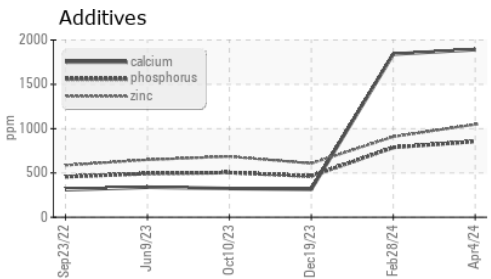
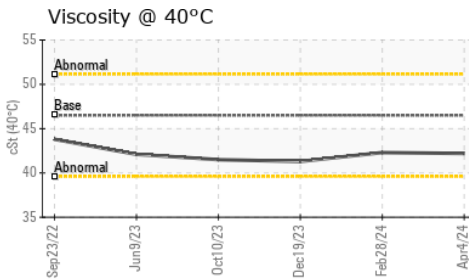
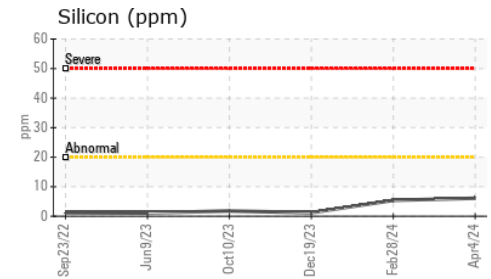
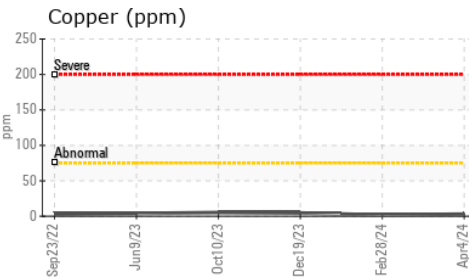
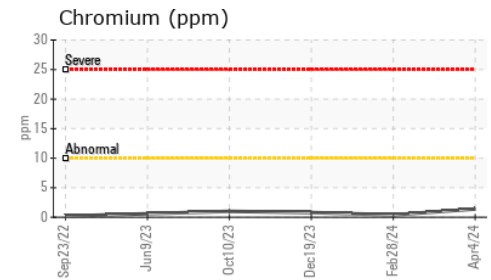
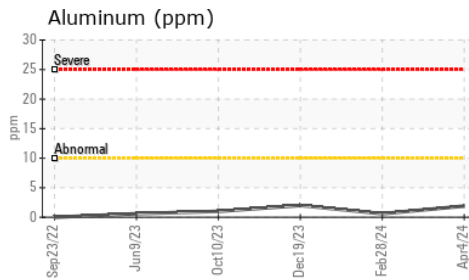
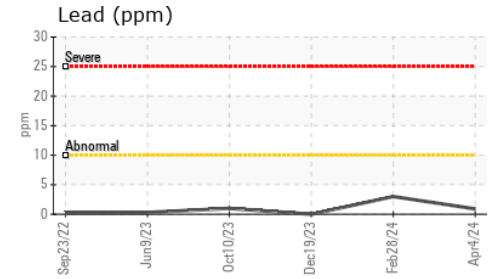
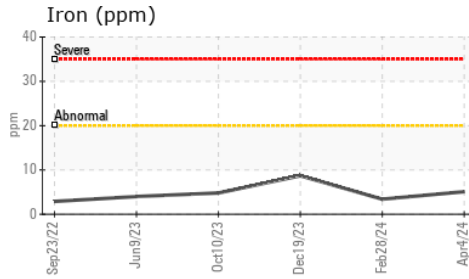


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	46.5	42.2	42.3	41.3

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. : PCA0115502 **Received** : 09 Apr 2024
Lab Number : **06143467** **Tested** : 10 Apr 2024
Unique Number : 10968275 **Diagnosed** : 12 Apr 2024 - Jonathan Hester
Test Package : MOB 1

CHICAGO MACHINERY INC
 3142 EAST LINCOLN
 LYNWOOD, IL
 US 60411-7728
 Contact: Mike Korbelik
 mike@chicagomachineryinc.com
 T: (708)758-2060
 F:

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)