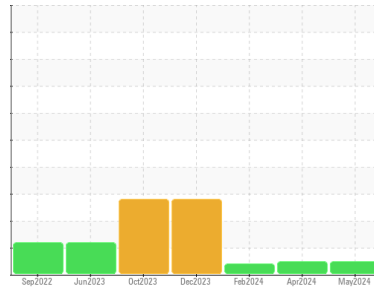


OIL ANALYSIS REPORT

Area
Nickelson
 Machine Id
Sany SY365 SY036MCB00618 Nickelson
 Component
Right Final Drive
 Fluid
CITGO PREMIUM GEAR 80W90 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 The water content is negligible. 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	PCA0115568	PCA0115504	LW0008313
Sample Date	Client Info	20 May 2024	04 Apr 2024	28 Feb 2024
Machine Age	hrs	3112	2845	2576
Oil Age	hrs	3112	2845	2576
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		NORMAL	NORMAL	ATTENTION

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	304	387	339
Chromium	ppm ASTM D5185m >10	8	6	8
Nickel	ppm ASTM D5185m >10	<1	<1	<1
Titanium	ppm ASTM D5185m	2	1	2
Silver	ppm ASTM D5185m	<1	0	0
Aluminum	ppm ASTM D5185m >25	25	10	25
Lead	ppm ASTM D5185m >25	1	<1	3
Copper	ppm ASTM D5185m >50	4	4	2
Tin	ppm ASTM D5185m >10	<1	<1	0
Vanadium	ppm ASTM D5185m	<1	<1	0
Cadmium	ppm ASTM D5185m	<1	<1	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	65	52	54
Barium	ppm ASTM D5185m	4	5	4
Molybdenum	ppm ASTM D5185m	<1	<1	0
Manganese	ppm ASTM D5185m	6	5	5
Magnesium	ppm ASTM D5185m	10	6	6
Calcium	ppm ASTM D5185m	42	31	45
Phosphorus	ppm ASTM D5185m	786	871	805
Zinc	ppm ASTM D5185m	37	28	16
Sulfur	ppm ASTM D5185m	23546	24048	19899

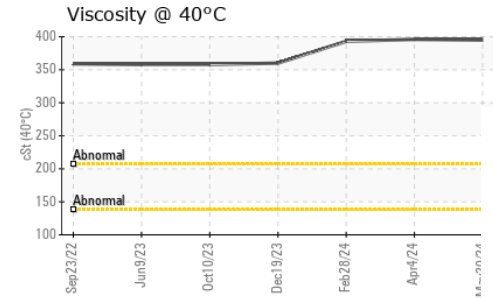
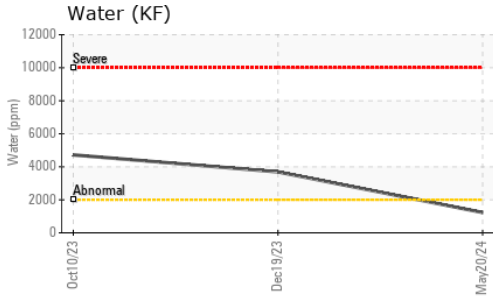
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	48	26	73
Sodium	ppm ASTM D5185m	9	8	11
Potassium	ppm ASTM D5185m >20	4	3	4
Water	% ASTM D6304 >0.2	0.123	---	---
ppm Water	ppm ASTM D6304 >2000	1230	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	MODER	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	MODER	NONE	MODER
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 >0.2	0.2%	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

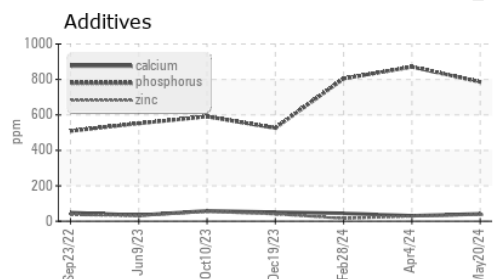
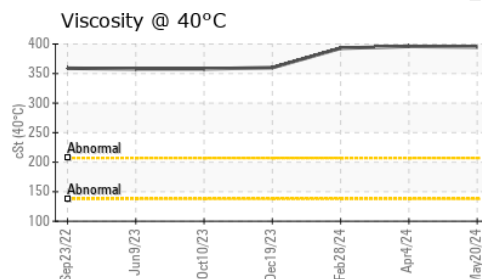
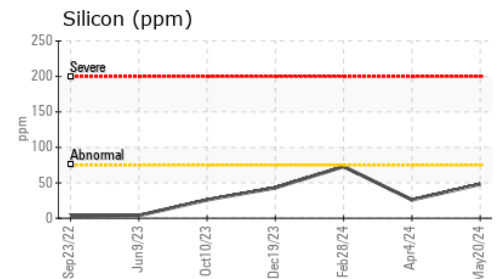
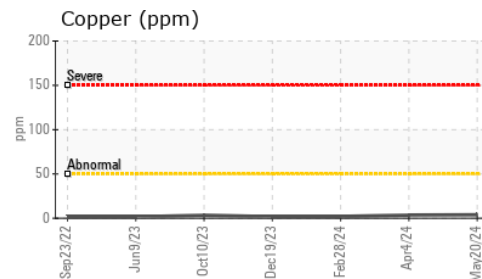
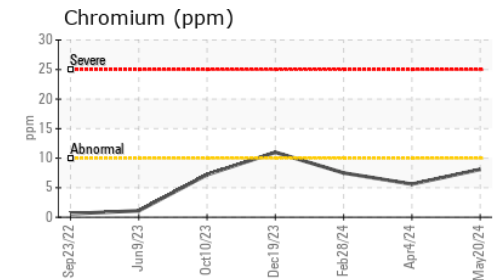
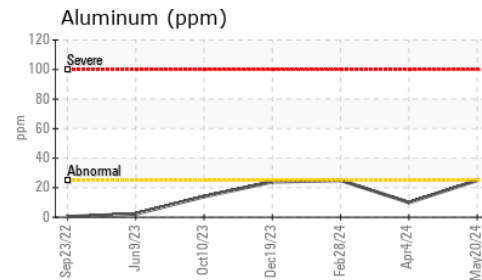
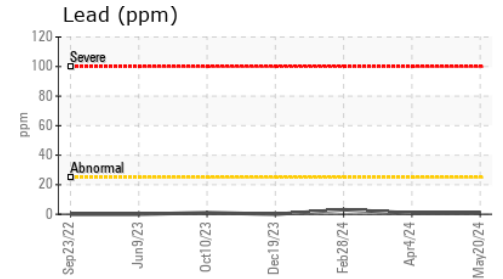
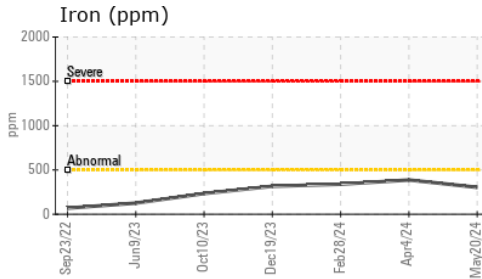
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		395	396	393

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0115568 **Received** : 23 May 2024
Lab Number : 06189581 **Tested** : 28 May 2024
Unique Number : 11046333 **Diagnosed** : 28 May 2024 - Sean Felton
Test Package : MOB 1 (Additional Tests: KF)

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)