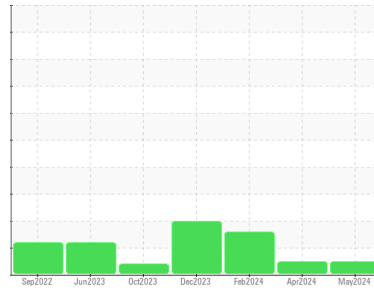


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Nickelson [05W46692]
 Machine Id
Sany SY365 SY036MCB00618 Nickelson
 Component
Left Final Drive
 Fluid
CITGO PREMIUM GEAR 80W90 (--- 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			PCA0115567	PCA0115503	LW0008312
Sample Date	Client Info			20 May 2024	04 Apr 2024	28 Feb 2024
Machine Age	hrs	Client Info		3112	2845	2576
Oil Age	hrs	Client Info		3112	2845	2576
Oil Changed	Client Info			Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	NEG	NEG	NEG

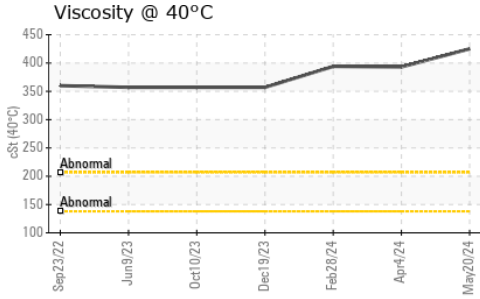
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	203	297	278
Chromium	ppm	ASTM D5185m	>10	3	8	4
Nickel	ppm	ASTM D5185m	>10	<1	1	0
Titanium	ppm	ASTM D5185m		<1	2	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	5	23	9
Lead	ppm	ASTM D5185m	>25	<1	1	3
Copper	ppm	ASTM D5185m	>50	2	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		35	57	49
Barium	ppm	ASTM D5185m		<1	5	3
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		3	5	3
Magnesium	ppm	ASTM D5185m		4	9	2
Calcium	ppm	ASTM D5185m		11	52	22
Phosphorus	ppm	ASTM D5185m		527	900	796
Zinc	ppm	ASTM D5185m		13	34	12
Sulfur	ppm	ASTM D5185m		28747	24916	19365

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	15	45	22
Sodium	ppm	ASTM D5185m		2	12	7
Potassium	ppm	ASTM D5185m	>20	2	5	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	▲ HEAVY
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT

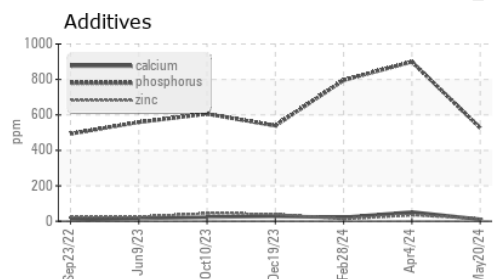
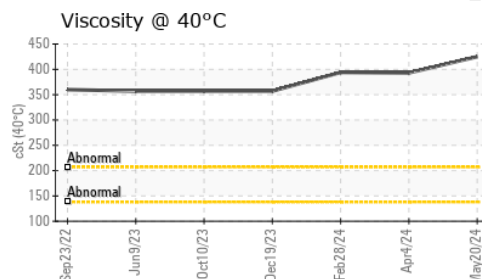
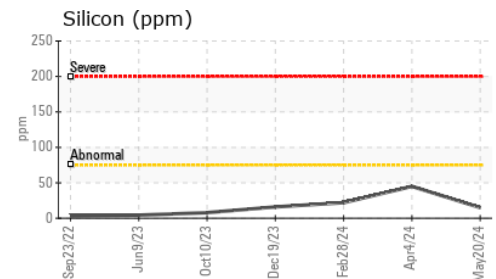
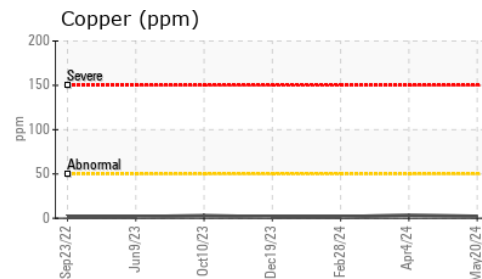
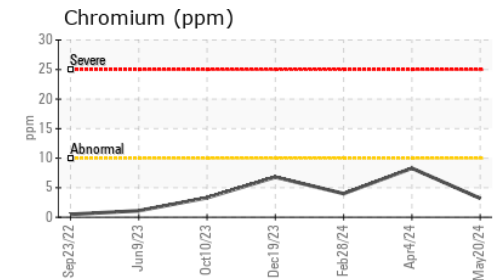
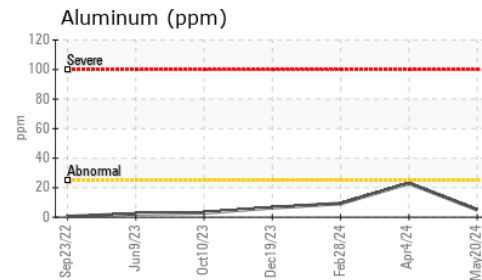
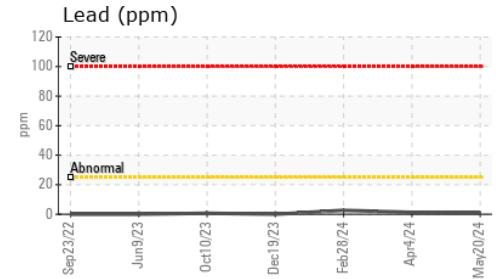
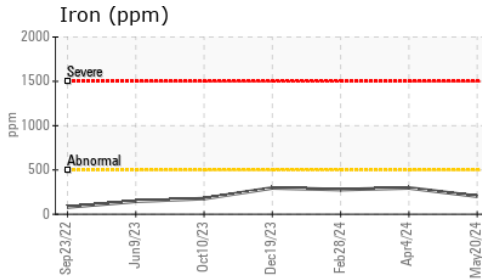


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		425	393	● 394

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. : PCA0115567
Lab Number : 06189582
Unique Number : 11046334
Test Package : MOB 1

Received : 23 May 2024
Tested : 25 May 2024
Diagnosed : 28 May 2024 - Sean Felton

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