



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
TA Machines
 Machine Id
SANY SY500 CA499 (S/N SY0503BK00198)
 Component
Swing Drive
 Fluid
CITGO PREMIUM GEAR 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0009064	LW0006528	LW0004032
Sample Date		Client Info		23 May 2024	11 Jan 2023	23 May 2022
Machine Age	hrs	Client Info		1238	0	277
Oil Age	hrs	Client Info		1238	0	277
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	10	118	82
Chromium	ppm	ASTM D5185m	>10	0	2	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	3
Lead	ppm	ASTM D5185m	>50	0	5	0
Copper	ppm	ASTM D5185m	>200	0	12	4
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

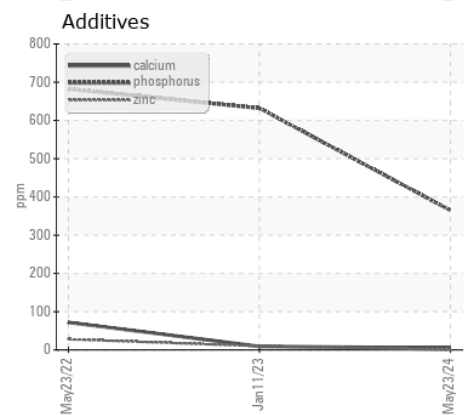
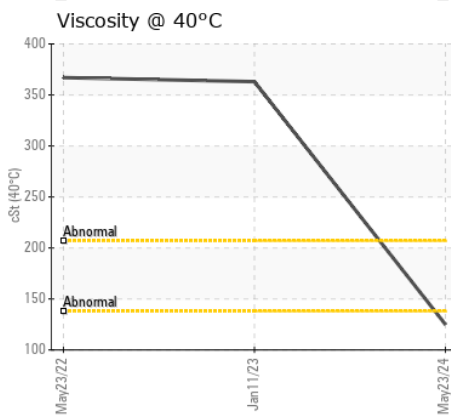
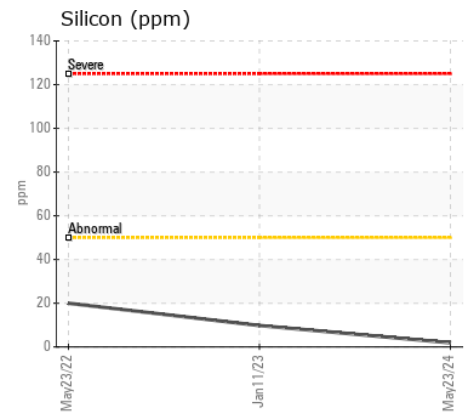
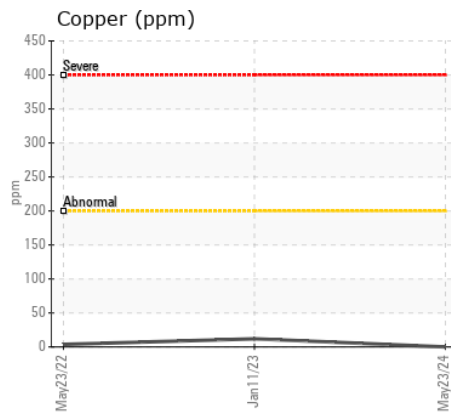
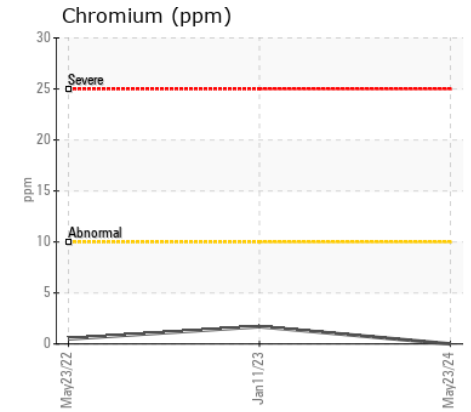
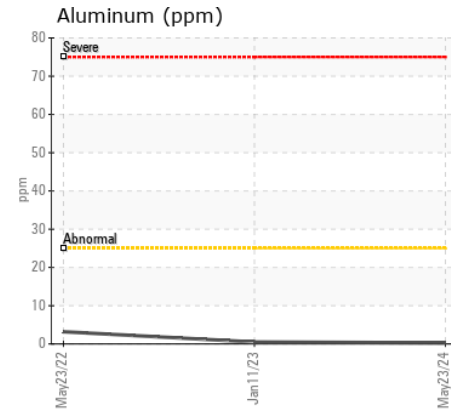
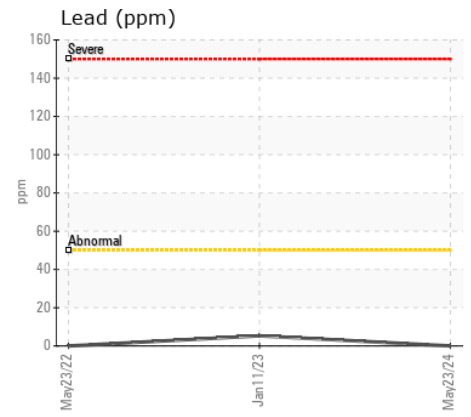
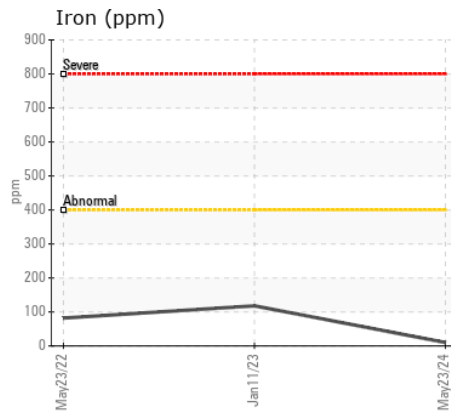
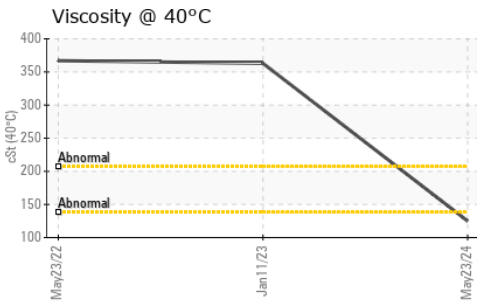
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	2	10	20
Potassium	ppm	ASTM D5185m	>20	<1	1	2
Water		WC Method	>0.2	NEG	NEG	NEG
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	0.2%	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	2	1
Boron	ppm	ASTM D5185m		6	0	2
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	3	2
Magnesium	ppm	ASTM D5185m		5	3	15
Calcium	ppm	ASTM D5185m		5	9	72
Phosphorus	ppm	ASTM D5185m		365	632	682
Zinc	ppm	ASTM D5185m		0	10	28
Sulfur	ppm	ASTM D5185m		14883	27888	24787
Visc @ 40°C	cSt	ASTM D445		125	363	367



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : LW0009064

Lab Number : 06197098

Unique Number : 11059221

Test Package : MOB 1

Received : 31 May 2024

Tested : 03 Jun 2024

Diagnosed : 04 Jun 2024 - Don Baldrige

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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)