



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
TA Machines
 Machine Id
SANY SY500 CA500 (S/N SY0503BK00208)
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0009103	LW0006774	LW0006541
Sample Date		Client Info		25 Jun 2024	22 Mar 2023	11 Jan 2023
Machine Age	hrs	Client Info		1841	1153	0
Oil Age	hrs	Client Info		1841	1153	0
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				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	35	84	70
Chromium	ppm	ASTM D5185m	>10	<1	3	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

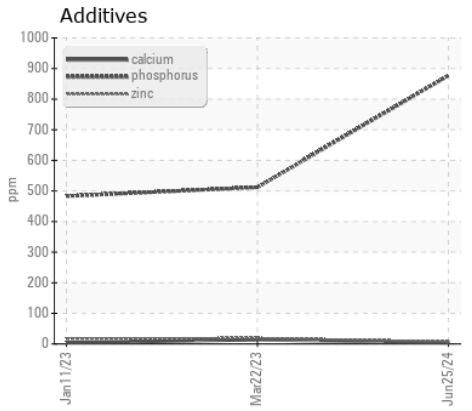
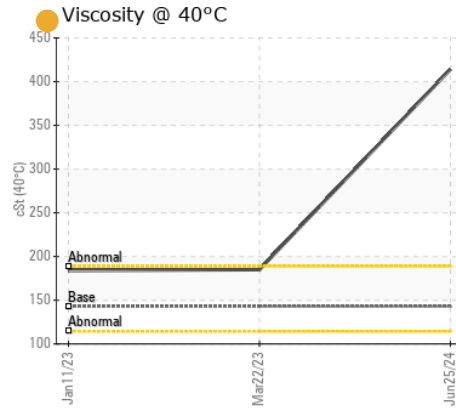
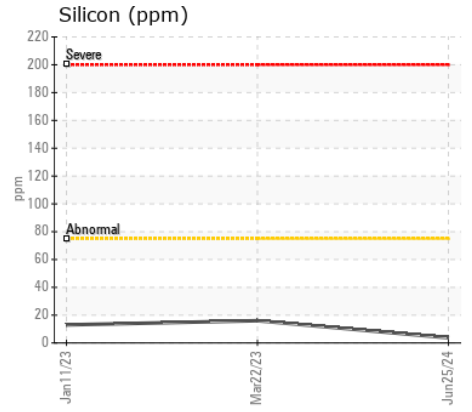
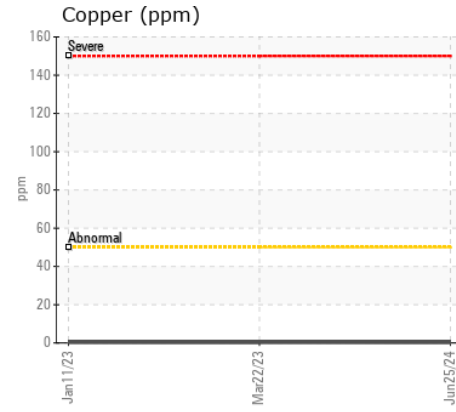
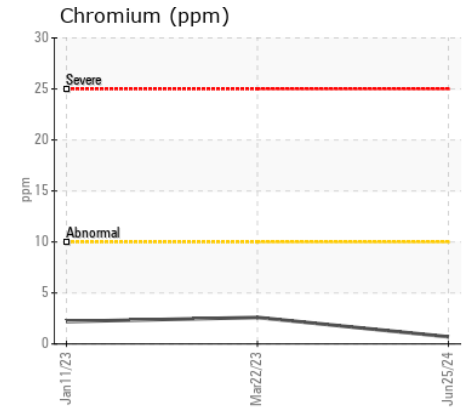
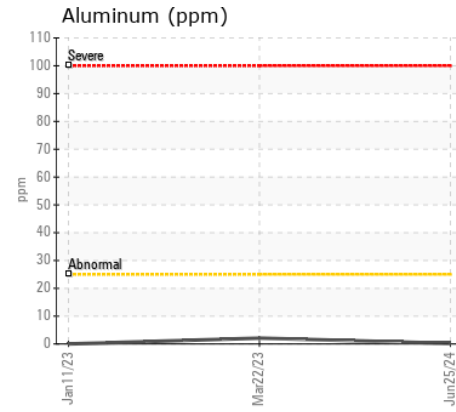
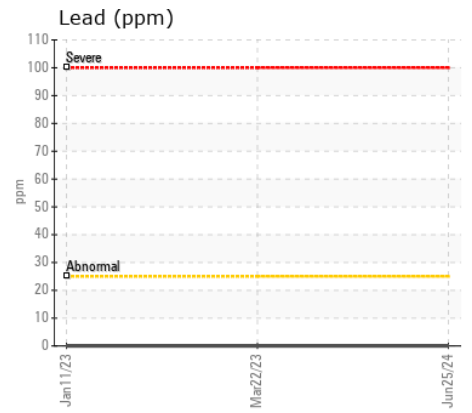
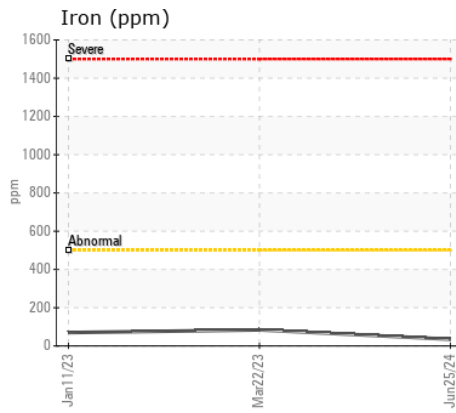
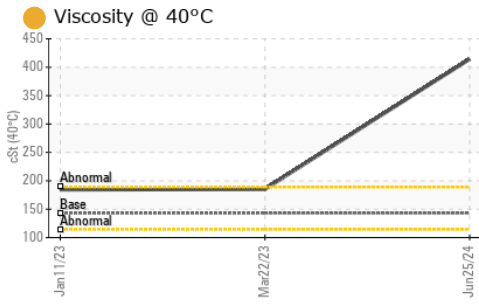
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	16	13
Potassium	ppm	ASTM D5185m	>20	2	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	NEG	NEG

FLUID CONDITION

The oil viscosity is higher than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m	>170	1	<1	0
Boron	ppm	ASTM D5185m	400	91	72	76
Barium	ppm	ASTM D5185m	200	<1	14	10
Molybdenum	ppm	ASTM D5185m	12	0	0	0
Manganese	ppm	ASTM D5185m		1	3	3
Magnesium	ppm	ASTM D5185m	12	<1	5	3
Calcium	ppm	ASTM D5185m	150	4	14	4
Phosphorus	ppm	ASTM D5185m	1650	877	512	483
Zinc	ppm	ASTM D5185m	125	7	19	17
Sulfur	ppm	ASTM D5185m	22500	22544	16968	13961
Visc @ 40°C	cSt	ASTM D445	143	414	185	184



Certificate L2367

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

Sample No. : LW0009103

Lab Number : 06223843

Unique Number : 11102040

Test Package : MOB 1

Received : 28 Jun 2024

Tested : 29 Jun 2024

Diagnosed : 30 Jun 2024 - Don Baldrige

CHICAGO MACHINERY INC

3142 EAST LINCOLN

LYNWOOD, IL

US 60411-7728

Contact: Mike Korbek

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)