



LEAHY-WOLF
Lubricating specialists since 1946

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
TA Machines
Machine Id
SANY SY500H TA891 (S/N SY0507CC00268)
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		LW0008264	LW0006612	---
Sample Date		Client Info		04 Jan 2024	15 Feb 2023	---
Machine Age	hrs	Client Info		1016	653	---
Oil Age	hrs	Client Info		1016	653	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	132	100	---
Chromium	ppm	ASTM D5185m	>10	2	2	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	<1	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>50	2	<1	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

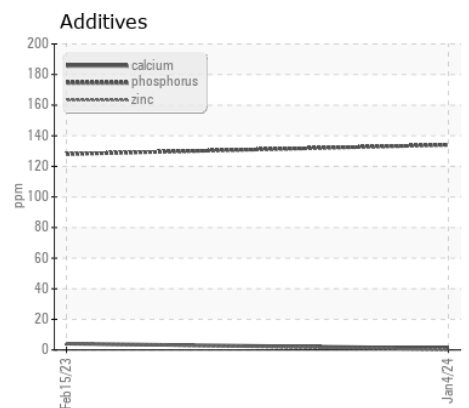
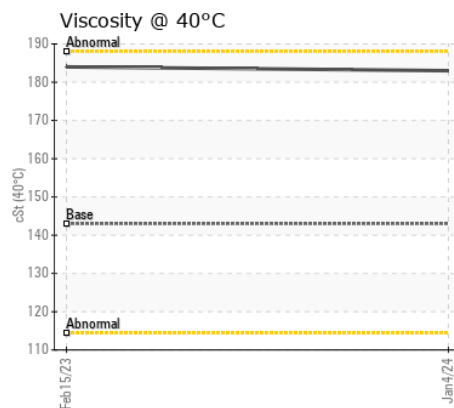
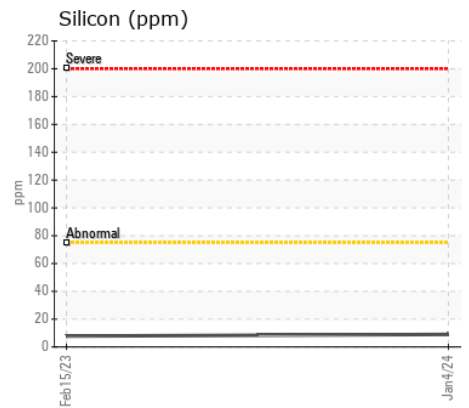
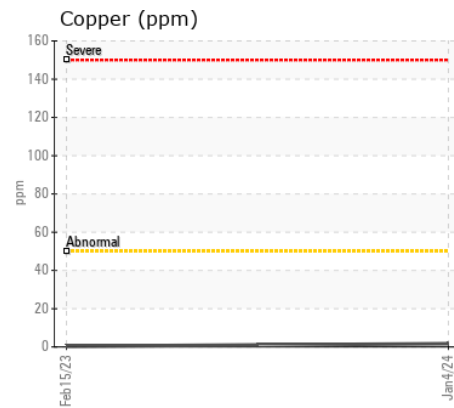
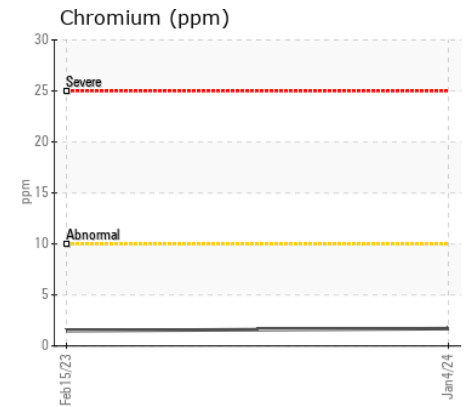
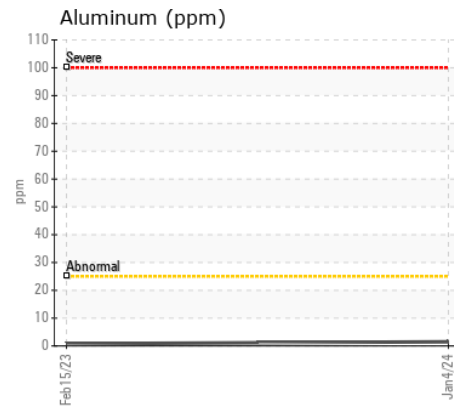
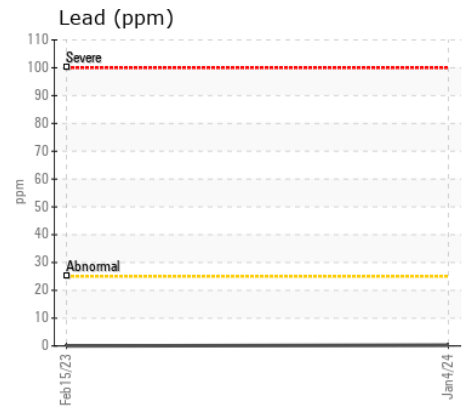
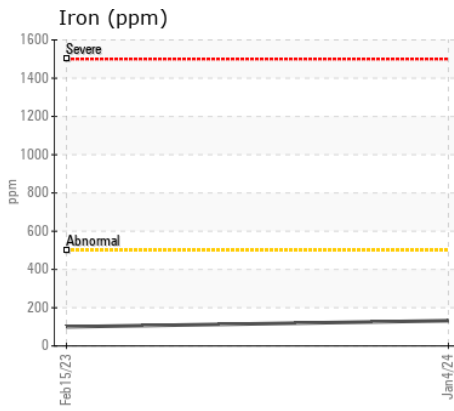
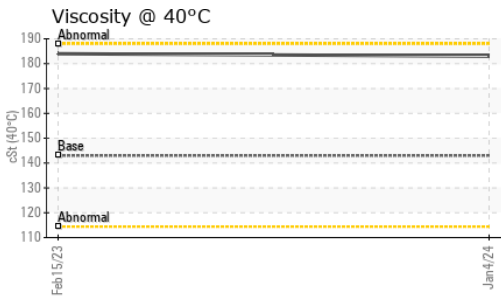
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	9	8	---
Potassium	ppm	ASTM D5185m	>20	2	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	LIGHT	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	0	3	---
Boron	ppm	ASTM D5185m	400	0	<1	---
Barium	ppm	ASTM D5185m	200	12	9	---
Molybdenum	ppm	ASTM D5185m	12	<1	0	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m	12	<1	<1	---
Calcium	ppm	ASTM D5185m	150	1	4	---
Phosphorus	ppm	ASTM D5185m	1650	134	128	---
Zinc	ppm	ASTM D5185m	125	0	4	---
Sulfur	ppm	ASTM D5185m	22500	15244	16040	---
Visc @ 40°C	cSt	ASTM D445	143	183	184	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LW0008264 **Received** : 12 Jan 2024
Lab Number : 06059690 **Diagnosed** : 16 Jan 2024
Unique Number : 10831072 **Diagnostician** : Jonathan Hester
Test Package : MOB 1

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)