



**LEAHY-WOLF**  
Lubricating specialists since 1946

OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**TA Machines**  
Machine Id  
**Sany SY335 TA964 (S/N 13SY033A36508)**  
Component  
**Swing Drive**  
Fluid  
**CITGO PREMIUM GEAR 80W90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LW0008294</b>	LW0006752	LW0006299
Sample Date		Client Info		<b>05 Feb 2024</b>	07 Mar 2023	19 Dec 2022
Machine Age	hrs	Client Info		<b>4865</b>	4141	0
Oil Age	hrs	Client Info		<b>4865</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	<b>96</b>	84	84
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>8</b>	19	20
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

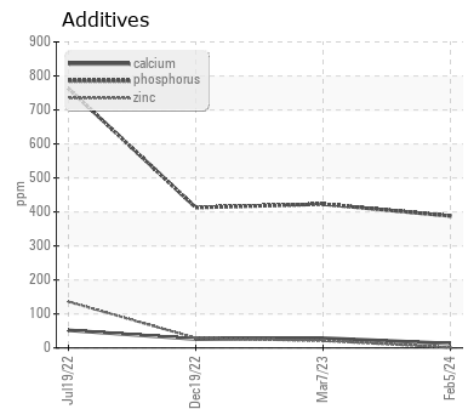
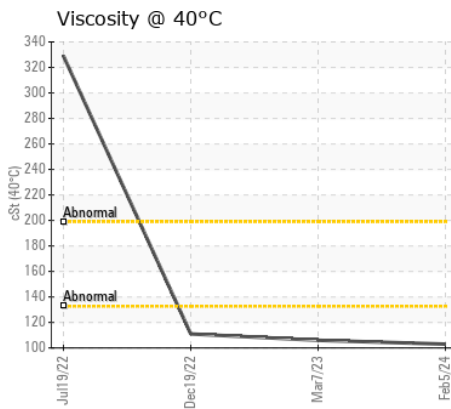
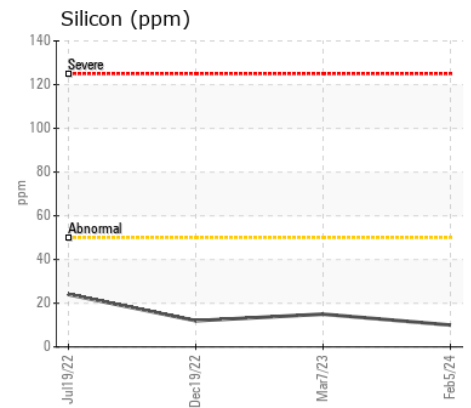
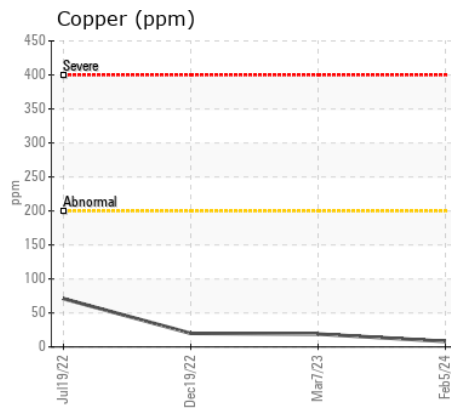
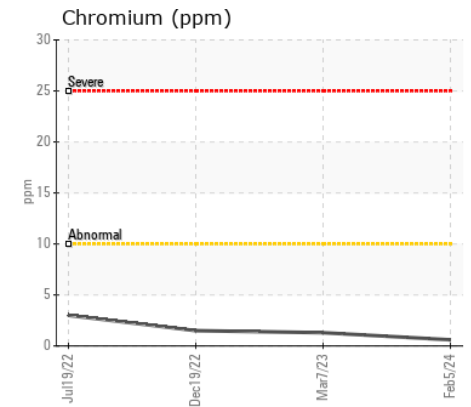
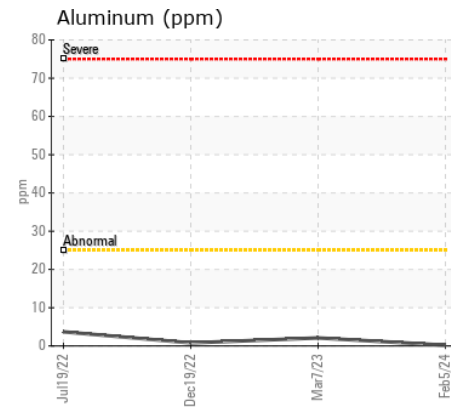
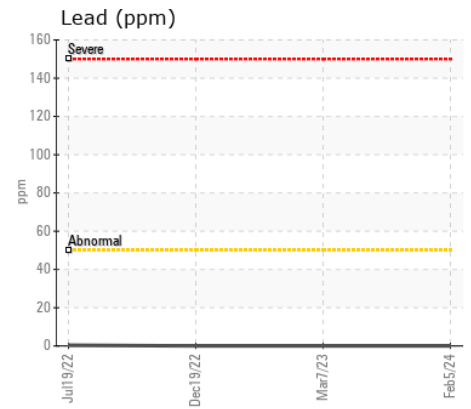
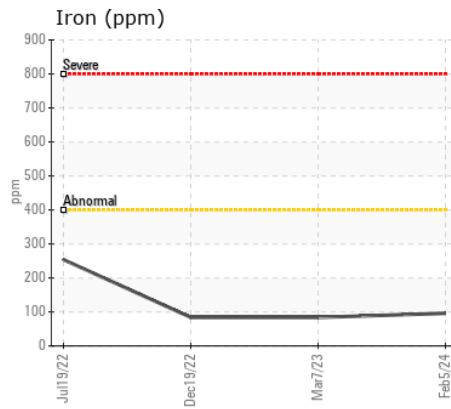
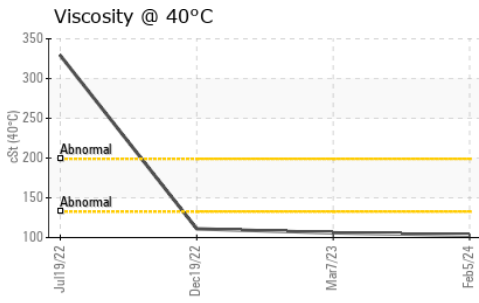
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>10</b>	15	12
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>0</b>	<1	2
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	2	3
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	1	1
Manganese	ppm	ASTM D5185m		<b>2</b>	3	2
Magnesium	ppm	ASTM D5185m		<b>7</b>	12	9
Calcium	ppm	ASTM D5185m		<b>13</b>	29	26
Phosphorus	ppm	ASTM D5185m		<b>388</b>	423	413
Zinc	ppm	ASTM D5185m		<b>1</b>	21	29
Sulfur	ppm	ASTM D5185m		<b>17649</b>	22859	22244
Visc @ 40°C	cSt	ASTM D445		<b>103</b>	106	111



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LW0008294  
**Lab Number** : 06086430  
**Unique Number** : 10873875  
**Test Package** : MOB 1

**Received** : 12 Feb 2024  
**Tested** : 13 Feb 2024  
**Diagnosed** : 13 Feb 2024 - Wes Davis

**CHICAGO MACHINERY INC**  
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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)