MOB I

LEAHY·WOLF
Lubricating specialists since 1946

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
TA Machines
Machine Id
SANY 155 TA618 (S/N SY013HCA37768)
Component
Left Final Drive
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

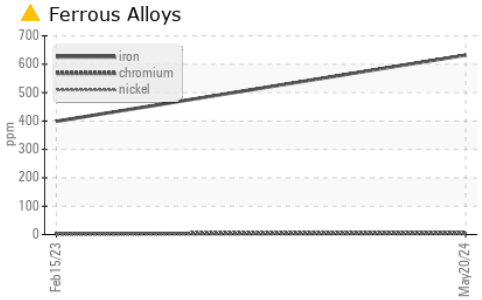
CONTAMINATION

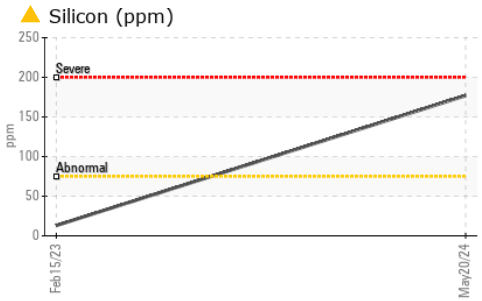
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

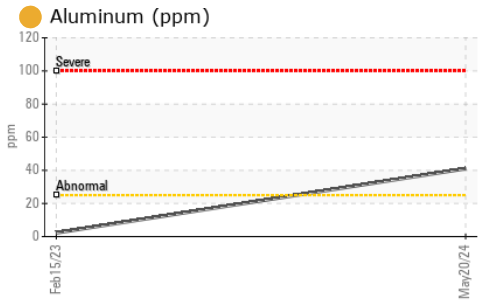
FLUID CONDITION

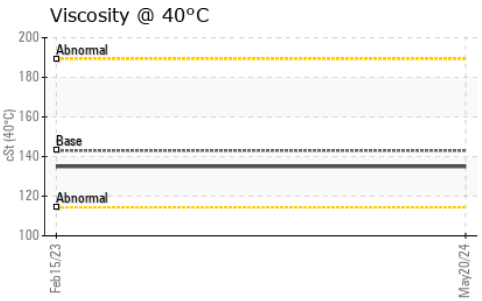
The condition of the oil is acceptable for the time in service.

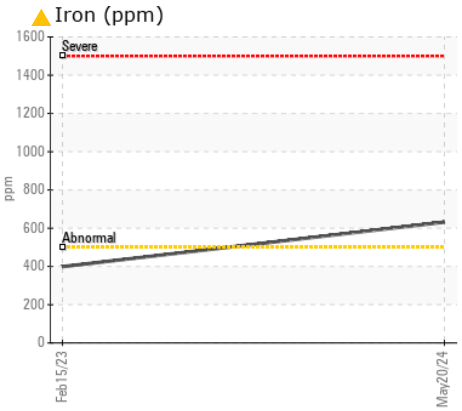
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0009052	LW0006622	---
Sample Date		Client Info		20 May 2024	15 Feb 2023	---
Machine Age	hrs	Client Info		913	767	---
Oil Age	hrs	Client Info		913	767	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>500	▲ 632	399	---
Chromium	ppm	ASTM D5185m	>10	7	3	---
Nickel	ppm	ASTM D5185m	>10	2	<1	---
Titanium	ppm	ASTM D5185m		3	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	● 41	2	---
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		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	▲ 177	13	---
Potassium	ppm	ASTM D5185m	>20	19	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	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	---
Sodium	ppm	ASTM D5185m	>170	6	8	---
Boron	ppm	ASTM D5185m	400	0	0	---
Barium	ppm	ASTM D5185m	200	<1	2	---
Molybdenum	ppm	ASTM D5185m	12	<1	<1	---
Manganese	ppm	ASTM D5185m		11	6	---
Magnesium	ppm	ASTM D5185m	12	23	<1	---
Calcium	ppm	ASTM D5185m	150	62	22	---
Phosphorus	ppm	ASTM D5185m	1650	374	360	---
Zinc	ppm	ASTM D5185m	125	54	50	---
Sulfur	ppm	ASTM D5185m	22500	15411	13746	---
Visc @ 40°C	cSt	ASTM D445	143	135	135	---

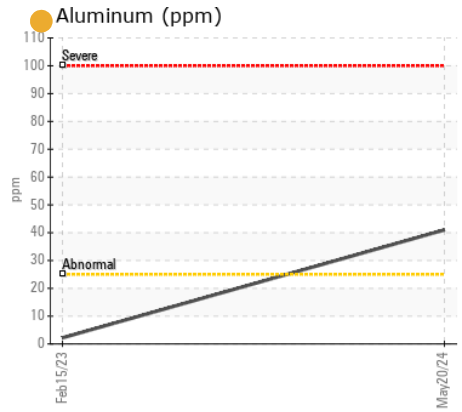


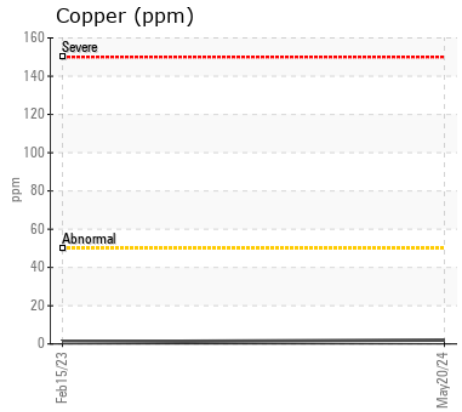


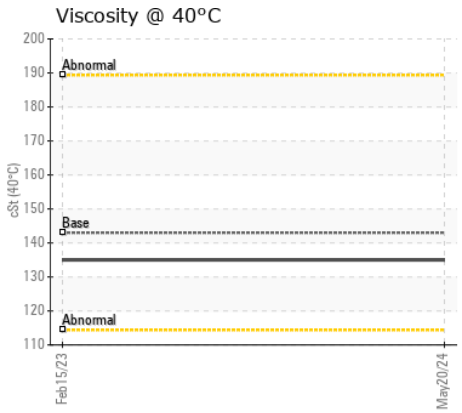


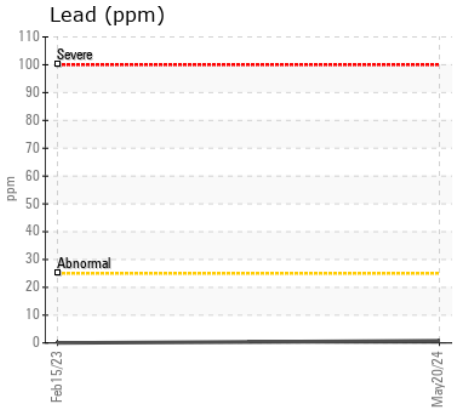


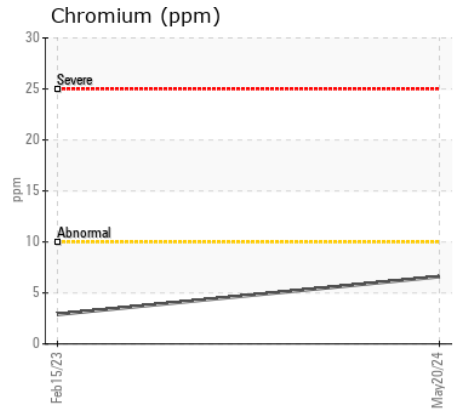


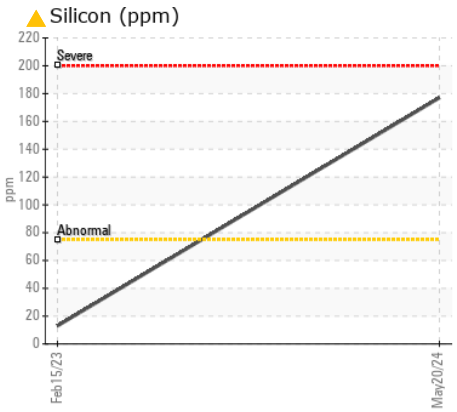


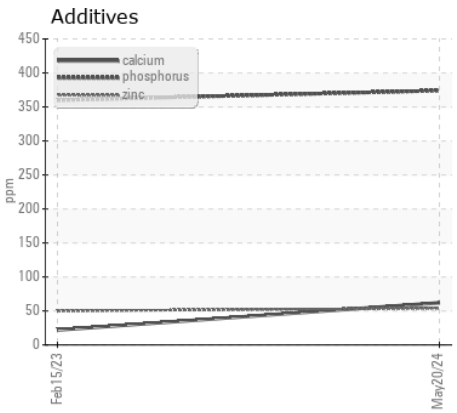












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LW0009052
Lab Number : 06189583
Unique Number : 11046335
Test Package : MOB 1

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

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)

CHICAGO MACHINERY INC
3142 EAST LINCOLN
LYNWOOD, IL
US 60411-7728
Contact: Mike Korbelik
mike@chicagomachineryinc.com
T: (708)758-2060
F: