MOB I

LEAHY·WOLF
Lubricating specialists since 1946

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

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

RECOMMENDATION

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

CONTAMINATION

There is a moderate concentration of water present in the oil.

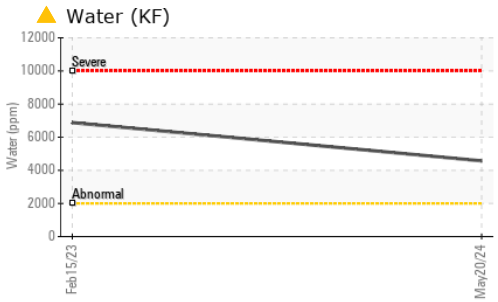
FLUID CONDITION

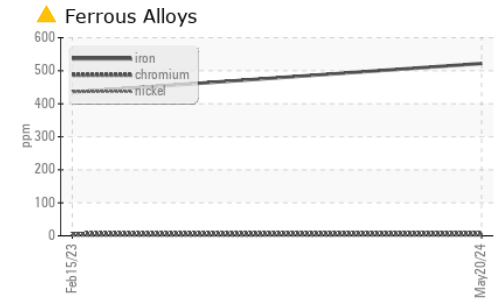
The oil viscosity is higher than normal. Confirm oil type.

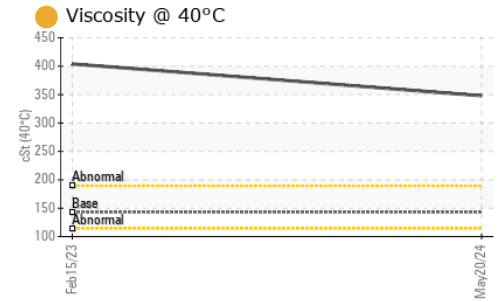
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0009054	LW0006620	---
Sample Date		Client Info		20 May 2024	15 Feb 2023	---
Machine Age	hrs	Client Info		913	767	---
Oil Age	hrs	Client Info		913	767	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>400	▲ 522	▲ 435	---
Chromium	ppm	ASTM D5185m	>10	9	7	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	3	3	---
Lead	ppm	ASTM D5185m	>50	<1	0	---
Copper	ppm	ASTM D5185m	>200	31	37	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>50	15	13	---
Potassium	ppm	ASTM D5185m	>20	3	1	---
Water	%	ASTM D6304	>0.2	▲ 0.457	▲ 0.688	---
ppm Water	ppm	ASTM D6304	>2000	▲ 4570	▲ 6880	---
Silt	scalar	*Visual	NONE	NONE	MODER	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● HAZY	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	0.2%	---
Sodium	ppm	ASTM D5185m	>170	2	3	---
Boron	ppm	ASTM D5185m	400	0	0	---
Barium	ppm	ASTM D5185m	200	6	8	---
Molybdenum	ppm	ASTM D5185m	12	<1	<1	---
Manganese	ppm	ASTM D5185m		11	10	---
Magnesium	ppm	ASTM D5185m	12	6	4	---
Calcium	ppm	ASTM D5185m	150	45	54	---
Phosphorus	ppm	ASTM D5185m	1650	581	626	---
Zinc	ppm	ASTM D5185m	125	56	53	---
Sulfur	ppm	ASTM D5185m	22500	29076	28979	---
Visc @ 40°C	cSt	ASTM D445	143	● 348	● 404	---

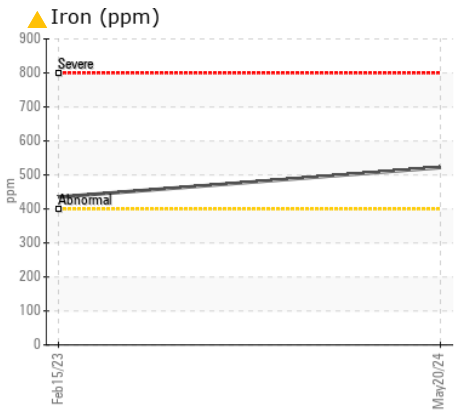
Report Id: THOLYN [WUSCAR] 06189580 (Generated: 05/28/2024 17:14:16) Rev: 1

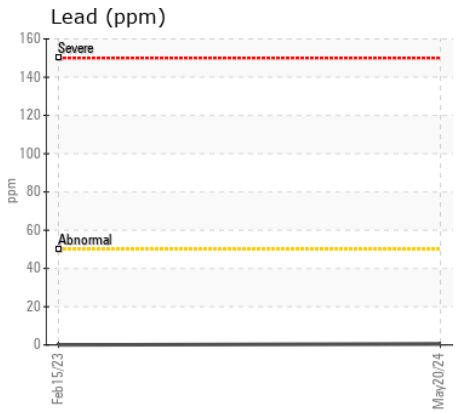
Submitted By: Mike Korbelik

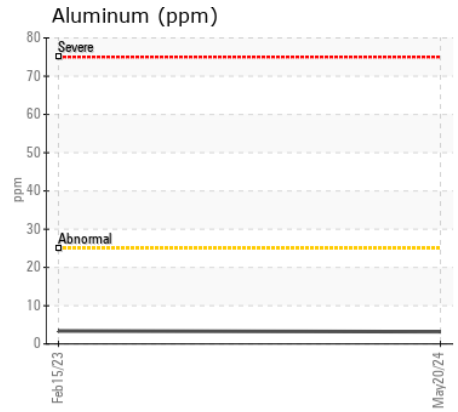


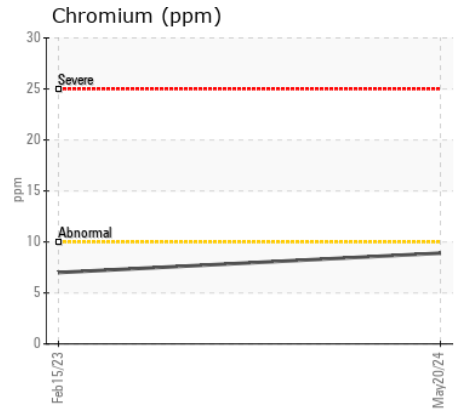


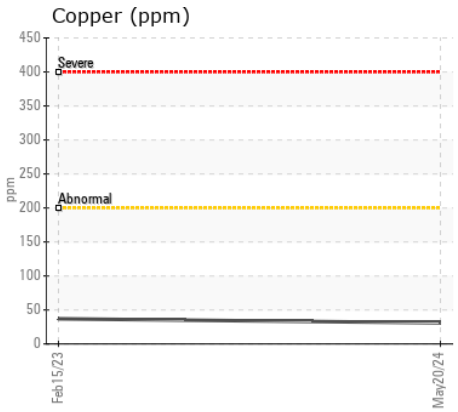


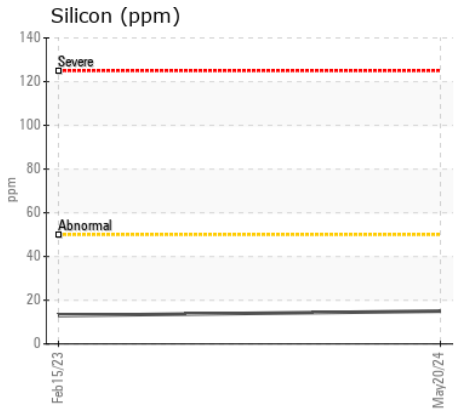


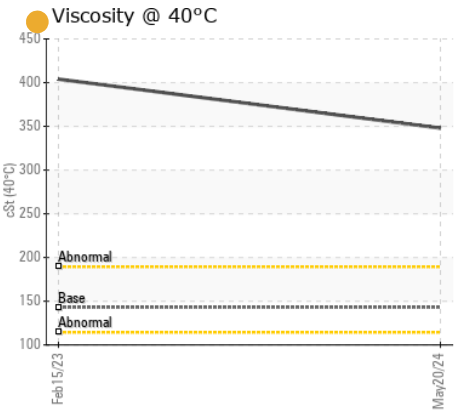


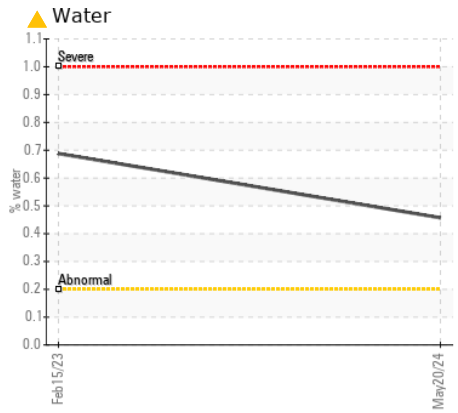












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LW0009054 **Received** : 23 May 2024
Lab Number : 06189580 **Tested** : 28 May 2024
Unique Number : 11046332 **Diagnosed** : 28 May 2024 - Sean Felton
Test Package : MOB 1 (Additional Tests: KF)

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)

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