MOBIL 1

LEAHY·WOLF
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OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area
American Demo
Machine Id
SANY SY365 SY0361CB00768
Component
Left Final Drive
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

CONTAMINATION

There is a high amount of visible silt present in the sample.

FLUID CONDITION

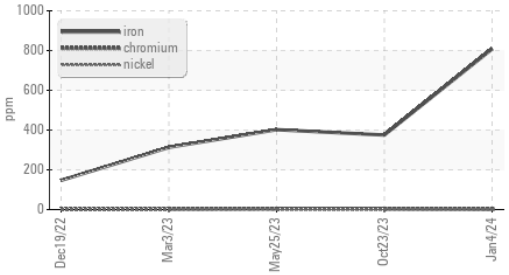
The oil viscosity is higher than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0008259	LW0007610	PCA0094829
Sample Date		Client Info		04 Jan 2024	23 Oct 2023	25 May 2023
Machine Age	hrs	Client Info		2342	1971	1200
Oil Age	hrs	Client Info		2342	1971	1200
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				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>500	▲ 808	375	402
Chromium	ppm	ASTM D5185m	>10	3	4	4
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		1	2	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	13	▲ 23	▲ 67
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	5	<1	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	74	▲ 108	▲ 252
Potassium	ppm	ASTM D5185m	>20	8	10	29
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	▲ HEAVY	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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
Sodium	ppm	ASTM D5185m	>170	<1	9	20
Boron	ppm	ASTM D5185m	400	59	<1	6
Barium	ppm	ASTM D5185m	200	4	5	3
Molybdenum	ppm	ASTM D5185m	12	<1	0	<1
Manganese	ppm	ASTM D5185m		8	7	7
Magnesium	ppm	ASTM D5185m	12	16	28	64
Calcium	ppm	ASTM D5185m	150	45	83	161
Phosphorus	ppm	ASTM D5185m	1650	802	560	555
Zinc	ppm	ASTM D5185m	125	18	56	40
Sulfur	ppm	ASTM D5185m	22500	22499	19601	24499
Visc @ 40°C	cSt	ASTM D445	143	▲ 369	▲ 326	279

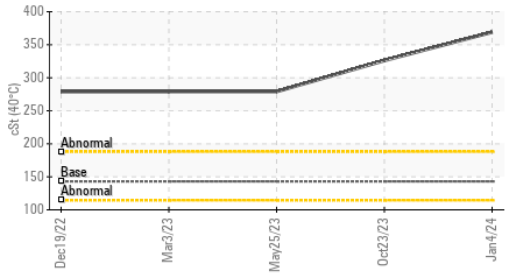
Report Id: THOLYN [WUSCAR] 06059683 (Generated: 01/16/2024 10:33:21) Rev: 1

Submitted By: Mike Korbelik

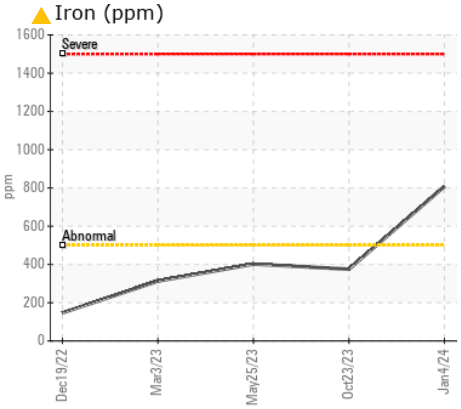
Ferrous Alloys



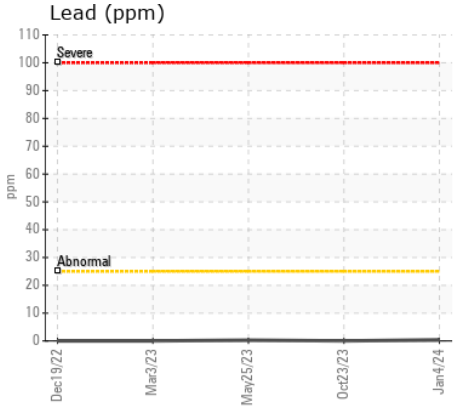
Viscosity @ 40°C



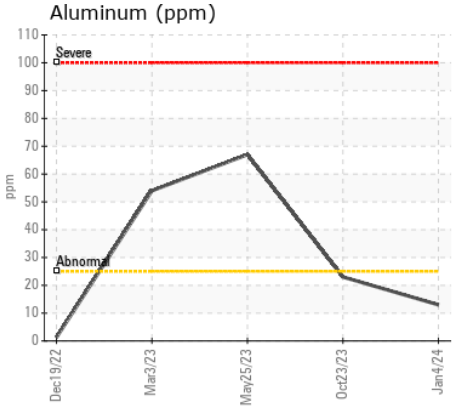
Iron (ppm)



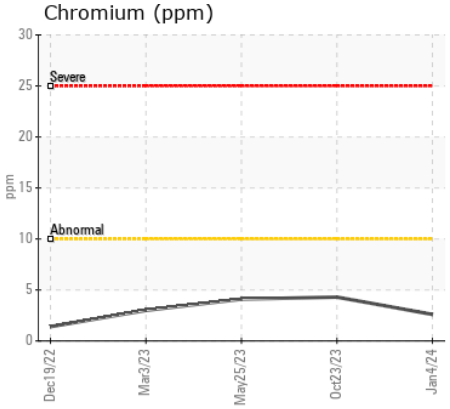
Lead (ppm)



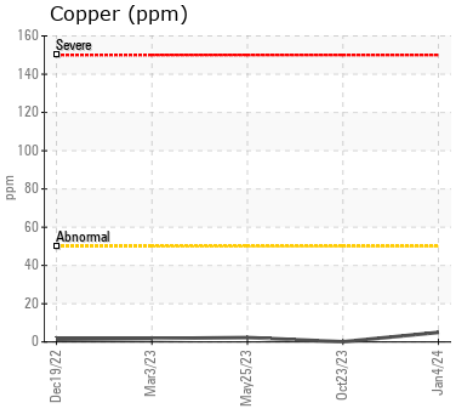
Aluminum (ppm)



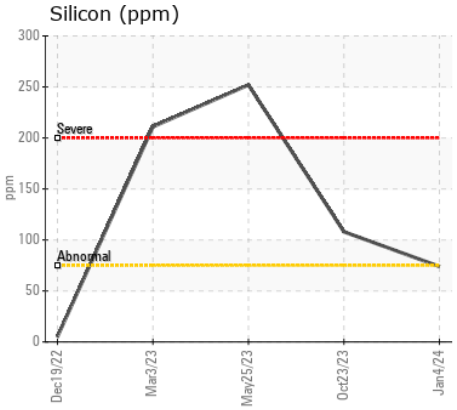
Chromium (ppm)



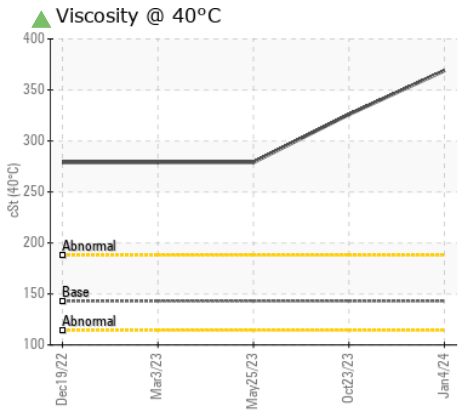
Copper (ppm)



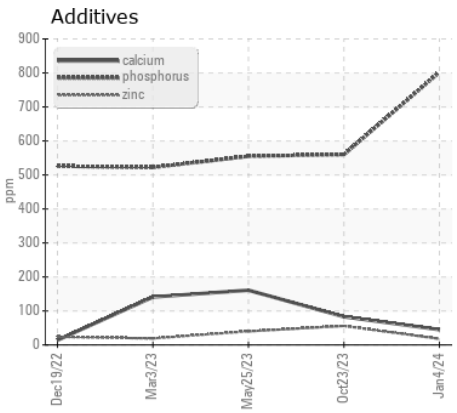
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LW0008259
Lab Number : 06059683
Unique Number : 10831065
Test Package : MOB 1

Recieved : 12 Jan 2024
Diagnosed : 16 Jan 2024
Diagnostician : Jonathan Hester

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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