



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
TMR-Pompano
Machine Id
17971 LIEBHERR A924C 957-33753
Component
Transmission
Fluid
GEAR OIL SAE 85W140 (2 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0023222	DJJ0008214	DJJ026612
Sample Date		Client Info		03 Jul 2024	14 Jan 2021	09 Feb 2018
Machine Age	hrs	Client Info		0	9319	6382
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

WEAR

The lead level has decreased, but is still abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	23	41	22
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m		0	2	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	2	0
Aluminum	ppm	ASTM D5185m	>50	<1	2	2
Lead	ppm	ASTM D5185m	>50	▲ 150	▲ 435	▲ 318
Copper	ppm	ASTM D5185m	>200	139	▲ 306	▲ 270
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

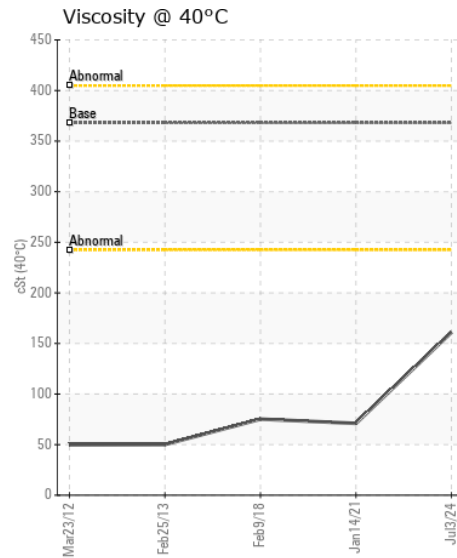
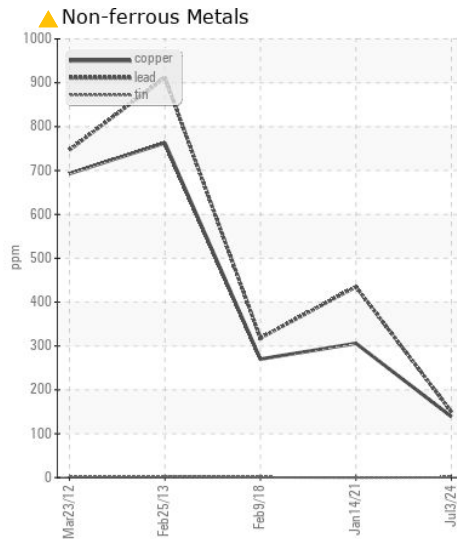
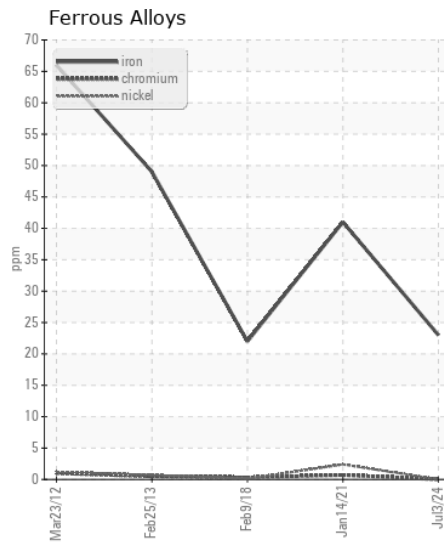
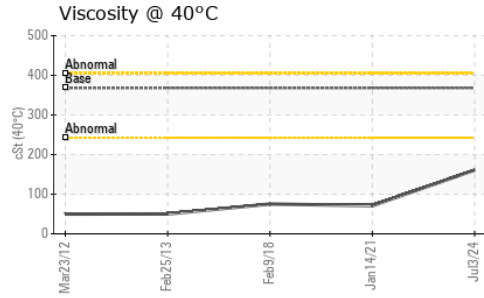
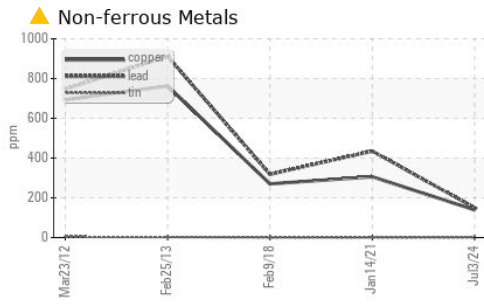
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>50	5	6	5
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		8	20	28
Boron	ppm	ASTM D5185m	400	115	316	283
Barium	ppm	ASTM D5185m	200	0	6	5
Molybdenum	ppm	ASTM D5185m	12	25	82	74
Manganese	ppm	ASTM D5185m		5	12	4
Magnesium	ppm	ASTM D5185m	12	71	281	238
Calcium	ppm	ASTM D5185m	150	636	2100	1801
Phosphorus	ppm	ASTM D5185m	1650	568	1186	919
Zinc	ppm	ASTM D5185m	125	419	1180	1002
Sulfur	ppm	ASTM D5185m	22500	11641	4532	5828
Visc @ 40°C	cSt	ASTM D445	368	161	71.0	75.23



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0023222
Lab Number : 06236652
Unique Number : 11125486
Test Package : CONST

Received : 15 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 17 Jul 2024 - Don Baldrige

TRADEMARK METALS RECYCLING - RIVIERA BEACH
 4661 DYER BLVD
 WEST PALM BEACH, FL
 US 33407
 Contact: RYAN BOWDEN

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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