



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
TMR-Pompano
Machine Id
17971 LIEBHERR A924C 957-33753
Component
Front Left Wheel Hub
Fluid
GEAR OIL SAE 85W140 (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0023200	DJJ0008219	DJJ024945
Sample Date		Client Info		03 Jul 2024	14 Jan 2021	06 Dec 2018
Machine Age	hrs	Client Info		0	9319	7393
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1070	165	190	161
Chromium	ppm	ASTM D5185m	>10	1	2	1
Nickel	ppm	ASTM D5185m	>4	<1	2	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	1	1
Lead	ppm	ASTM D5185m	>4	2	0	3
Copper	ppm	ASTM D5185m	>45	19	13	12
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

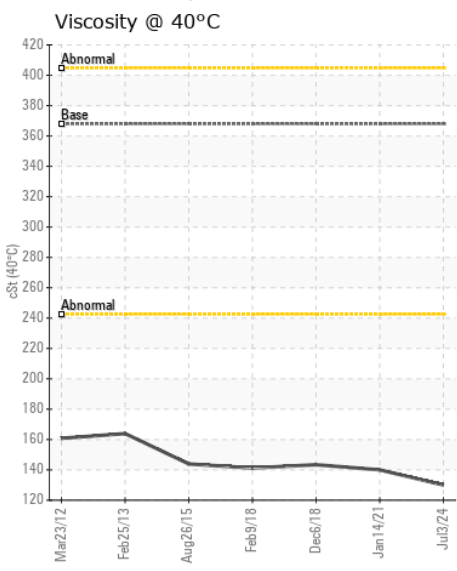
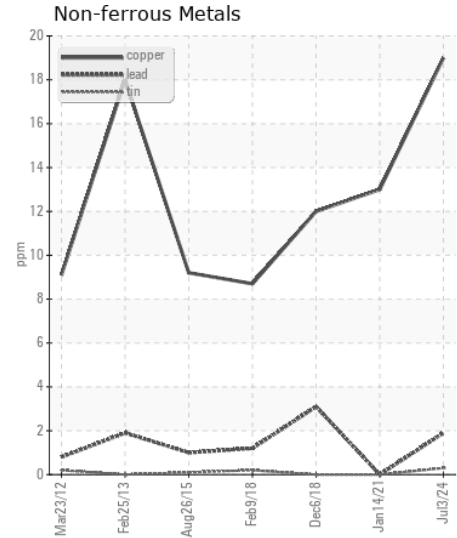
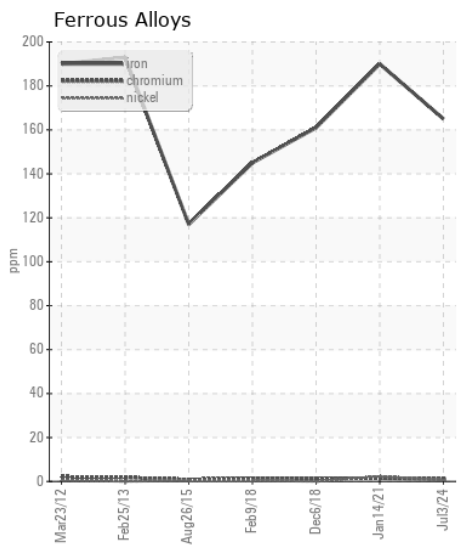
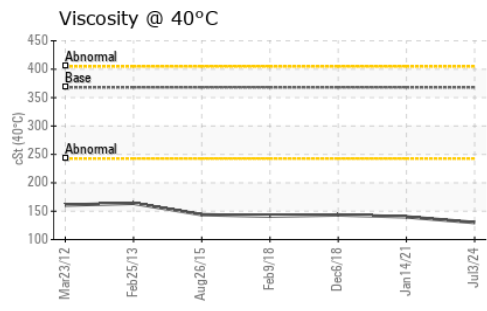
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>125	6	9	9
Potassium	ppm	ASTM D5185m	>20	316	356	400
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		7	11	11
Boron	ppm	ASTM D5185m	400	440	457	476
Barium	ppm	ASTM D5185m	200	0	<1	0
Molybdenum	ppm	ASTM D5185m	12	3	3	2
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m	12	8	13	5
Calcium	ppm	ASTM D5185m	150	22	62	64
Phosphorus	ppm	ASTM D5185m	1650	1419	1387	1306
Zinc	ppm	ASTM D5185m	125	35	59	61
Sulfur	ppm	ASTM D5185m	22500	18430	16827	17194
Visc @ 40°C	cSt	ASTM D445	368	130	140	143.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0023200
Lab Number : 06236525
Unique Number : 11125359
Test Package : CONST

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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