



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
TMR-Fort Myers
 Machine Id
574721 LBX 330LX K6J4-8141
 Component
Right Final Drive
 Fluid
GEAR OIL SAE 85W140 (--- 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		DJJ0020465	DJJ0020496	DJJ0008632
Sample Date		Client Info		05 Feb 2024	19 Jun 2023	06 Apr 2023
Machine Age	hrs	Client Info		21043	20760	20712
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

The chromium level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	267	▲ 913	▲ 767
Chromium	ppm	ASTM D5185m	>10	▲ 28	▲ 15	▲ 12
Nickel	ppm	ASTM D5185m	>10	0	2	<1
Titanium	ppm	ASTM D5185m		<1	2	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	▲ 17	12
Lead	ppm	ASTM D5185m	>25	0	2	<1
Copper	ppm	ASTM D5185m	>50	<1	5	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

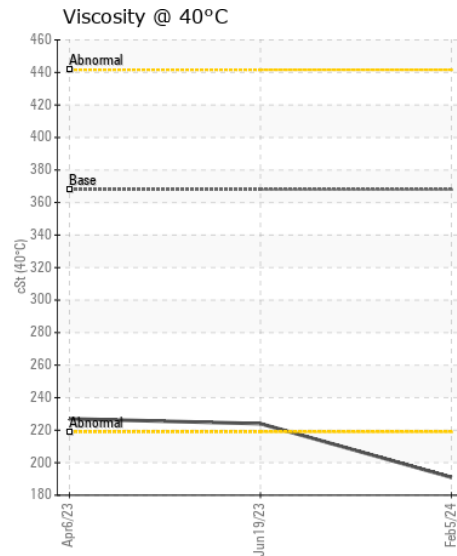
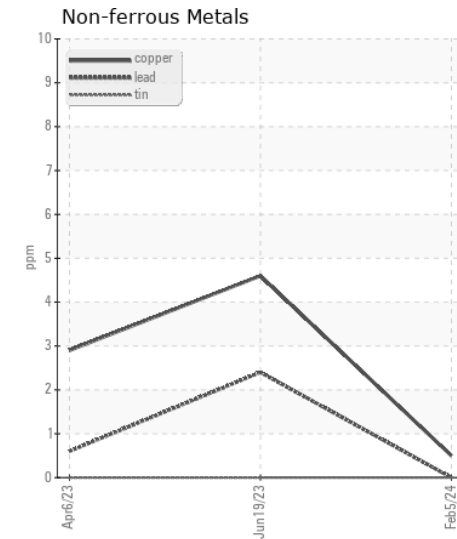
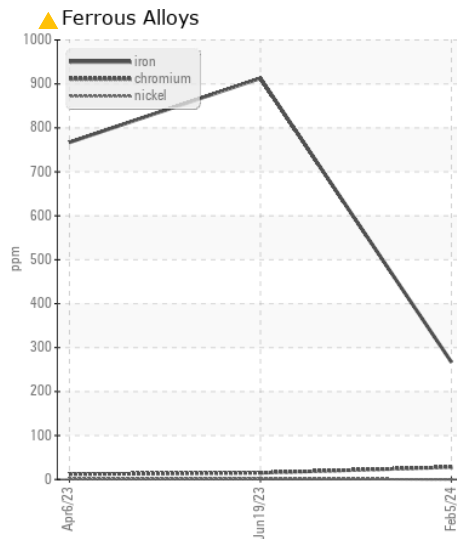
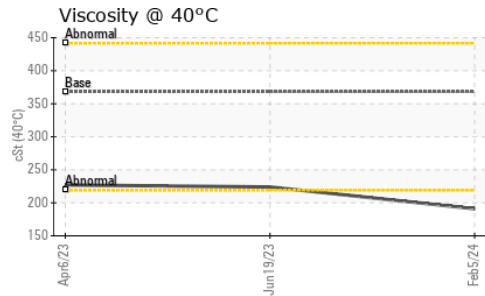
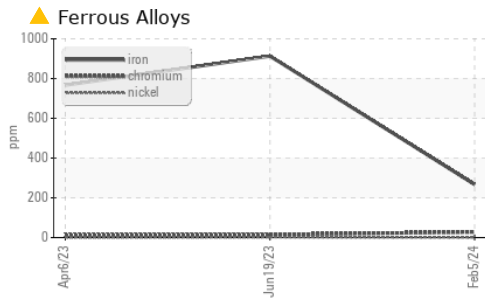
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	36	▲ 270	▲ 208
Potassium	ppm	ASTM D5185m	>20	27	8	6
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	▲ MODER
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		3	3	2
Boron	ppm	ASTM D5185m	400	14	56	45
Barium	ppm	ASTM D5185m	200	3	0	0
Molybdenum	ppm	ASTM D5185m	12	2	2	1
Manganese	ppm	ASTM D5185m		6	10	8
Magnesium	ppm	ASTM D5185m	12	4	31	22
Calcium	ppm	ASTM D5185m	150	128	329	253
Phosphorus	ppm	ASTM D5185m	1650	596	672	544
Zinc	ppm	ASTM D5185m	125	81	64	35
Sulfur	ppm	ASTM D5185m	22500	16067	20628	16945
Visc @ 40°C	cSt	ASTM D445	368	191	224	227



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0020465
Lab Number : 06083916
Unique Number : 10871361
Test Package : CONST

Received : 08 Feb 2024
Tested : 09 Feb 2024
Diagnosed : 11 Feb 2024 - Don Baldrige

TRADEMARK METALS RECYCLING - FORT MYERS
 3350 OLD METRO PKWY
 FORT MYERS, FL
 US 33916
 Contact: Service Manager

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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