

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
[CROSS CUT]
 Machine Id
TAKEUCHI TL12R2 412103649
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is higher than normal.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	ML0000529	---	---
Sample Date	Client Info	29 Jan 2024	---	---
Machine Age	hrs Client Info	306	---	---
Oil Age	hrs Client Info	306	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >500	▲ 851	---	---
Chromium ppm	ASTM D5185m >10	▲ 11	---	---
Nickel ppm	ASTM D5185m >10	1	---	---
Titanium ppm	ASTM D5185m	<1	---	---
Silver ppm	ASTM D5185m	0	---	---
Aluminum ppm	ASTM D5185m >25	<1	---	---
Lead ppm	ASTM D5185m >25	<1	---	---
Copper ppm	ASTM D5185m >50	3	---	---
Tin ppm	ASTM D5185m >10	0	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 400	0	---	---
Barium ppm	ASTM D5185m 200	3	---	---
Molybdenum ppm	ASTM D5185m 12	1	---	---
Manganese ppm	ASTM D5185m	10	---	---
Magnesium ppm	ASTM D5185m 12	1	---	---
Calcium ppm	ASTM D5185m 150	26	---	---
Phosphorus ppm	ASTM D5185m 1650	276	---	---
Zinc ppm	ASTM D5185m 125	45	---	---
Sulfur ppm	ASTM D5185m 22500	19798	---	---

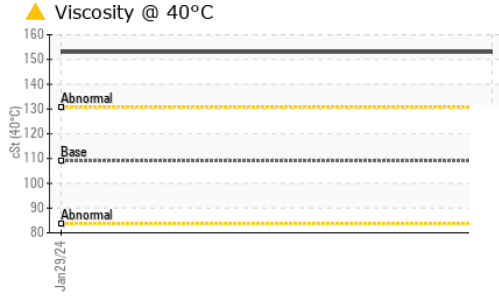
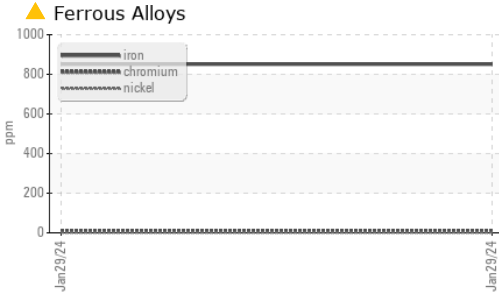
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >75	38	---	---
Sodium ppm	ASTM D5185m	0	---	---
Potassium ppm	ASTM D5185m >20	3	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal scalar	*Visual NONE	NONE	---	---
Yellow Metal scalar	*Visual NONE	NONE	---	---
Precipitate scalar	*Visual NONE	NONE	---	---
Silt scalar	*Visual NONE	NONE	---	---
Debris scalar	*Visual NONE	NONE	---	---
Sand/Dirt scalar	*Visual NONE	NONE	---	---
Appearance scalar	*Visual NORML	NORML	---	---
Odor scalar	*Visual NORML	NORML	---	---
Emulsified Water scalar	*Visual >0.2	NEG	---	---
Free Water scalar	*Visual	NEG	---	---

OIL ANALYSIS REPORT



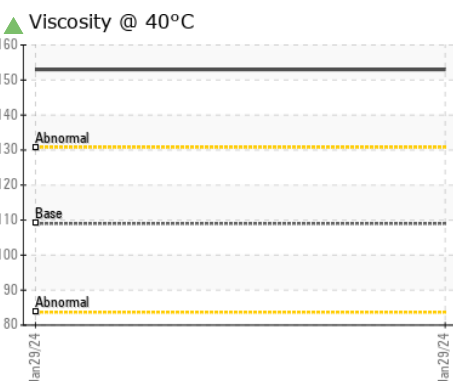
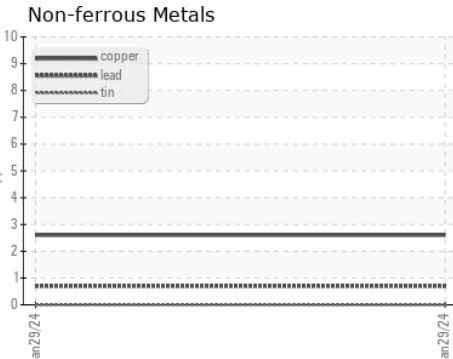
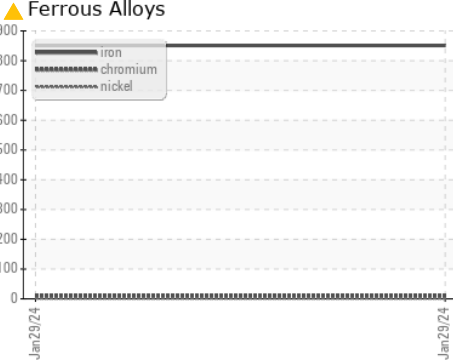
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	109 ▲ 153	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0000529 **Received** : 01 Feb 2024
Lab Number : 06077879 **Diagnosed** : 04 Feb 2024
Unique Number : 10859970 **Diagnostician** : Don Baldrige
Test Package : CONST

McCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611

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)