

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
TAKEUCHI TL10V2 410002681

Component
Left Final Drive

Fluid
GEAR OIL SAE 80W90 (--- 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. All other metal levels are typical for a new component breaking in.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

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

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|--------------------|----------|----------|
| Sample Number | Client Info | ML0000768 | --- | --- |
| Sample Date | Client Info | 20 Feb 2024 | --- | --- |
| Machine Age | hrs Client Info | 586 | --- | --- |
| Oil Age | hrs Client Info | 586 | --- | --- |
| 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 | ▲ 916 | --- | --- |
| Chromium ppm | ASTM D5185m >10 | 11 | --- | --- |
| Nickel ppm | ASTM D5185m >10 | 2 | --- | --- |
| Titanium ppm | ASTM D5185m | <1 | --- | --- |
| Silver ppm | ASTM D5185m | 0 | --- | --- |
| Aluminum ppm | ASTM D5185m >25 | 3 | --- | --- |
| Lead ppm | ASTM D5185m >25 | 0 | --- | --- |
| Copper ppm | ASTM D5185m >50 | 1 | --- | --- |
| Tin ppm | ASTM D5185m >10 | 0 | --- | --- |
| Vanadium ppm | ASTM D5185m | 0 | --- | --- |
| Cadmium ppm | ASTM D5185m | 0 | --- | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|----------------|-------------------|--------------|----------|----------|
| Boron ppm | ASTM D5185m 400 | 0 | --- | --- |
| Barium ppm | ASTM D5185m 200 | 10 | --- | --- |
| Molybdenum ppm | ASTM D5185m 12 | 0 | --- | --- |
| Manganese ppm | ASTM D5185m | 9 | --- | --- |
| Magnesium ppm | ASTM D5185m 12 | 3 | --- | --- |
| Calcium ppm | ASTM D5185m 150 | 12 | --- | --- |
| Phosphorus ppm | ASTM D5185m 1650 | 311 | --- | --- |
| Zinc ppm | ASTM D5185m 125 | 75 | --- | --- |
| Sulfur ppm | ASTM D5185m 22500 | 18195 | --- | --- |

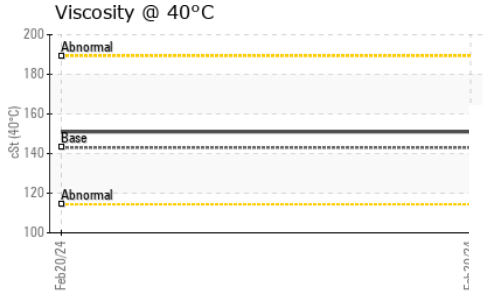
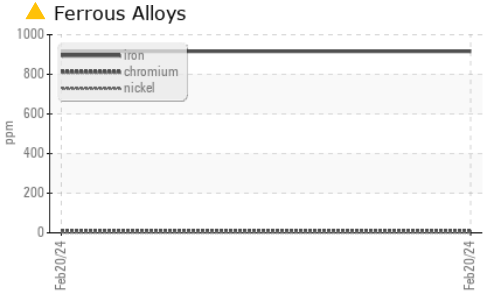
CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|---------------|------------------|-----------|----------|----------|
| Silicon ppm | ASTM D5185m >75 | 34 | --- | --- |
| Sodium ppm | ASTM D5185m >170 | 0 | --- | --- |
| Potassium ppm | ASTM D5185m >20 | 0 | --- | --- |

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 | ▲ MODER | --- | --- |
| 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



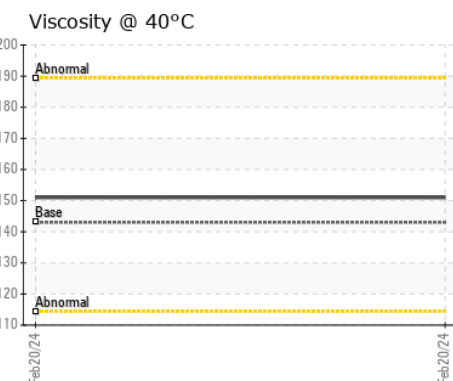
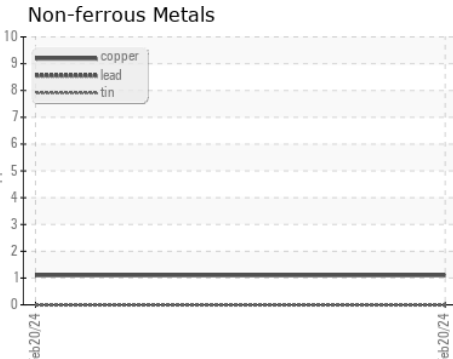
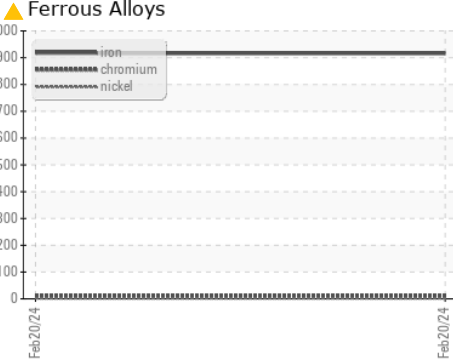
FLUID PROPERTIES

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 143 | 151 | --- | --- |

SAMPLE IMAGES

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|----------|----------|----------|
| Color | | | no image | no image | no image |
| Bottom | | | no image | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0000768
Lab Number : 06101220
Unique Number : 10899450
Test Package : CONST

Received : 26 Feb 2024
Tested : 28 Feb 2024
Diagnosed : 28 Feb 2024 - Don Baldrige

MCCLUNG-LOGAN EQUIPMENT CO - CHESAPEAKE
 4112 HOLLAND BLVD
 CHESAPEAKE, VA
 US 23323
 Contact: TOMMY GRIFFIN
 tgriffin@mcclung-logan.com
 T: (757)485-3314
 F: (757)485-3415

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)