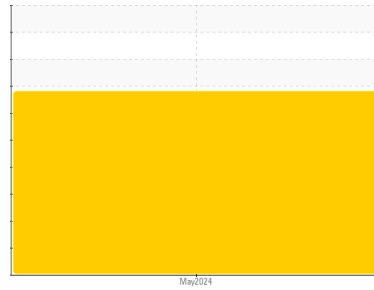


PROBLEM SUMMARY

Sample Rating Trend



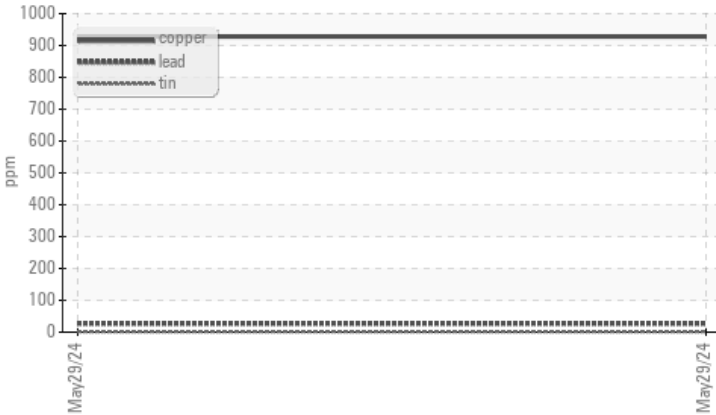
WEAR



Machine Id
200-126
Component
Transmission
Fluid
TRC SYNTEX 2000 GEAR OIL 50W (5 GAL)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ Ferrous Alloys



RECOMMENDATION

The fluid change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

| Sample Status | | | | SEVERE | --- | --- |
|---------------|-----|-------------|------|---------------|-----|-----|
| Iron | ppm | ASTM D5185m | >200 | ▲ 307 | --- | --- |
| Copper | ppm | ASTM D5185m | >200 | ▲ 928 | --- | --- |

Customer Id: KLXUNI
Sample No.: TO50002358
Lab Number: 06206893
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

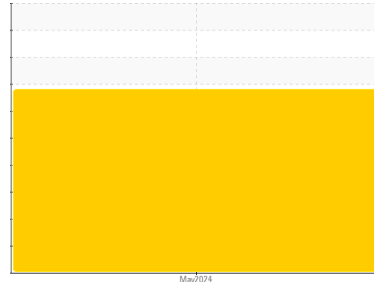
RECOMMENDED ACTIONS

| Action | Status | Date | Done By | Description |
|---------------------|--------|------|---------|---|
| Inspect Wear Source | --- | --- | ? | We advise that you inspect for the source(s) of wear. |
| Resample | --- | --- | ? | We recommend an early resample to monitor this condition. |

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
200-126
 Component
Transmission
 Fluid
TRC SYNTEX 2000 GEAR OIL 50W (5 GAL)

DIAGNOSIS

▲ Recommendation
 The fluid change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear
 Bearing and/or gear wear is indicated.

Contamination
 There is no indication of any contamination in the fluid.

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

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | TO50002358 | --- | --- |
| Sample Date | Client Info | | 29 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | 4326 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | Changed | --- | --- |
| Sample Status | | | SEVERE | --- | --- |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.1 | NEG | --- | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|------------|------------------|--------------|----------|----------|
| PQ | ASTM D8184 | | 20 | --- | --- |
| Iron | ppm | ASTM D5185m >200 | ▲ 307 | --- | --- |
| Chromium | ppm | ASTM D5185m >10 | 3 | --- | --- |
| Nickel | ppm | ASTM D5185m | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m >50 | 6 | --- | --- |
| Lead | ppm | ASTM D5185m >50 | 27 | --- | --- |
| Copper | ppm | ASTM D5185m >200 | ▲ 928 | --- | --- |
| Tin | ppm | ASTM D5185m >10 | 2 | --- | --- |
| Vanadium | ppm | ASTM D5185m | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | 0 | --- | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|------------|----------|----------|
| Boron | ppm | ASTM D5185m | 243 | --- | --- |
| Barium | ppm | ASTM D5185m | 5 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 3 | --- | --- |
| Manganese | ppm | ASTM D5185m | 19 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 6 | --- | --- |
| Calcium | ppm | ASTM D5185m | 57 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 966 | --- | --- |
| Zinc | ppm | ASTM D5185m | 66 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 680 | --- | --- |

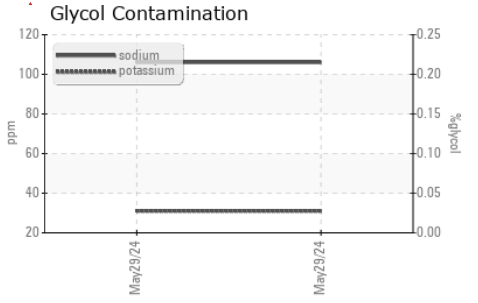
CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|------------|----------|----------|
| Silicon | ppm | ASTM D5185m >50 | 16 | --- | --- |
| Sodium | ppm | ASTM D5185m | 106 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | 31 | --- | --- |

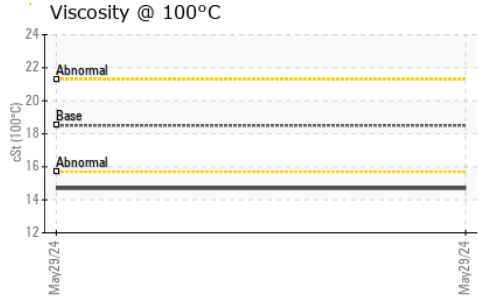
VISUAL

| | 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 >0.1 | NEG | --- | --- |
| Free Water | scalar | *Visual | NEG | --- | --- |

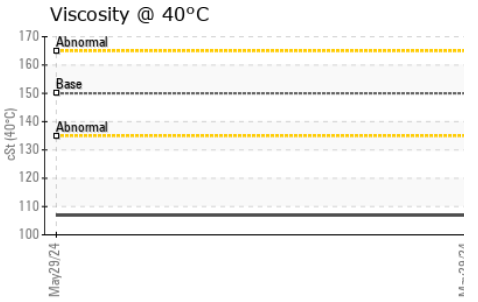
OIL ANALYSIS REPORT



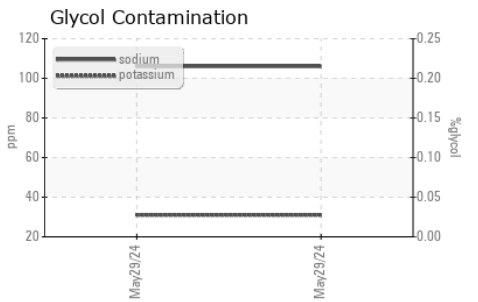
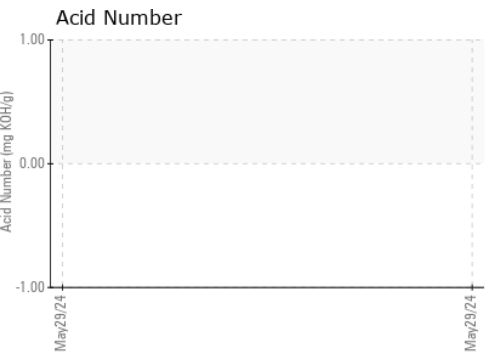
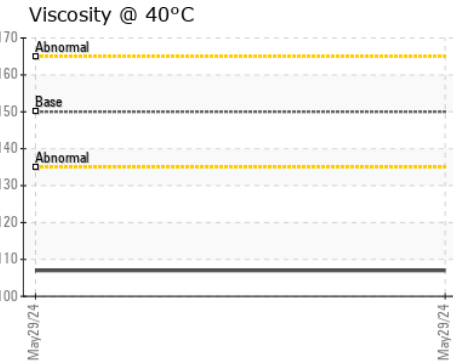
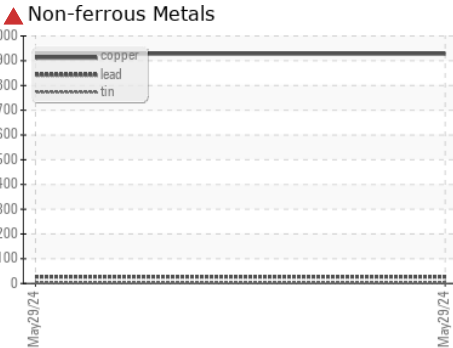
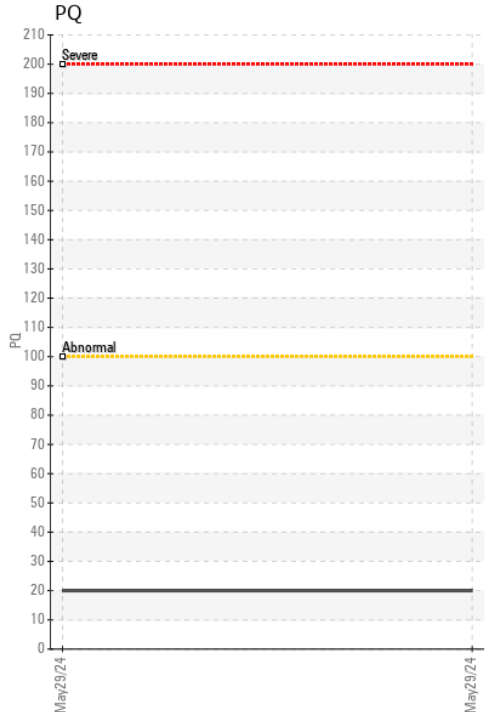
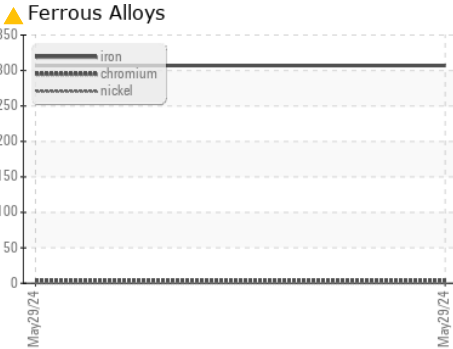
| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|----------------------|--------|----------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 150 | 107 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 18.5 | 14.7 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270 | 141 | --- | --- |



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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50002358 **Received** : 11 Jun 2024
Lab Number : 06206893 **Tested** : 18 Jun 2024
Unique Number : 11074354 **Diagnosed** : 18 Jun 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: Glycol, KV100, PQ, VI)

KLX ENERGY SERVICES
 701 N MAIN
 UNION CITY, OK
 US 73090-9657
 Contact: FRANKIE GOAD
 frankie.goad@klx.com

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)