



OIL ANALYSIS REPORT

| | |
|-----------------|-----------------|
| WEAR | SEVERE |
| CONTAMINATION | ABNORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
INTERNATIONAL 1486 IH 1486
Component
Hydraulic System
Fluid
BLUE RIBBON UTH (--- GAL)

RECOMMENDATION

Oil and filter 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

The iron level is severe.

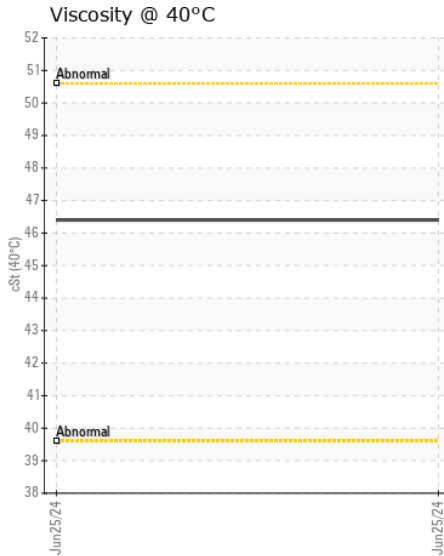
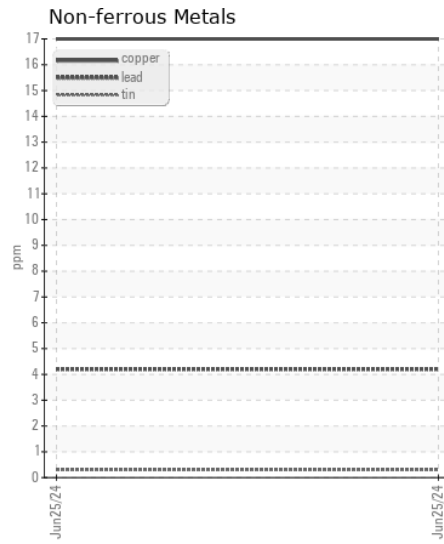
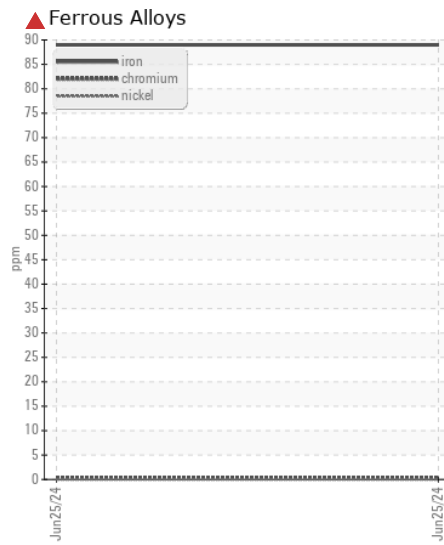
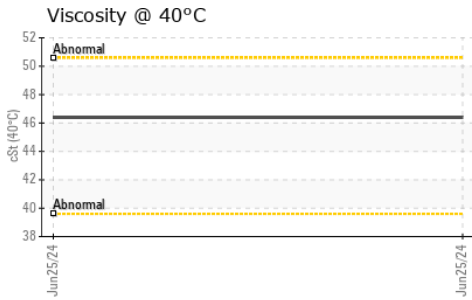
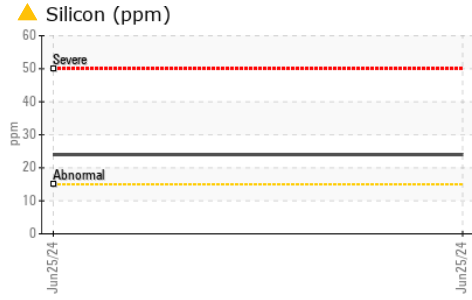
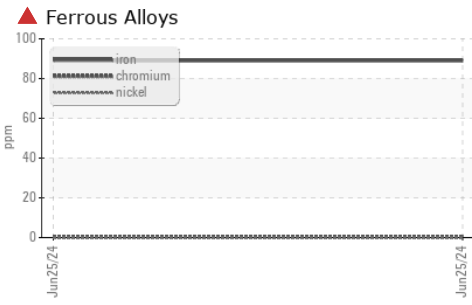
CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | DE0000695 | --- | --- |
| Sample Date | | Client Info | | 25 Jun 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 15000 | --- | --- |
| Oil Age | hrs | Client Info | | 400 | --- | --- |
| Filter Age | hrs | Client Info | | 200 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | SEVERE | --- | --- |
| <hr/> | | | | | | |
| Iron | ppm | ASTM D5185m | >20 | ▲ 89 | --- | --- |
| Chromium | ppm | ASTM D5185m | >20 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >20 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >20 | 4 | --- | --- |
| Lead | ppm | ASTM D5185m | >20 | 4 | --- | --- |
| Copper | ppm | ASTM D5185m | >20 | 17 | --- | --- |
| Tin | ppm | ASTM D5185m | >20 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| <hr/> | | | | | | |
| Silicon | ppm | ASTM D5185m | >15 | ▲ 24 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 1 | --- | --- |
| Water | | WC Method | >0.05 | NEG | --- | --- |
| 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 | >0.05 | NEG | --- | --- |
| <hr/> | | | | | | |
| Sodium | ppm | ASTM D5185m | | 3 | --- | --- |
| Boron | ppm | ASTM D5185m | | 15 | --- | --- |
| Barium | ppm | ASTM D5185m | | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 2 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 19 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 2829 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 1032 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 1165 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 4517 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 46.4 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : DE0000695

Lab Number : 06222947

Unique Number : 11101144

Test Package : FLEET

Received : 27 Jun 2024

Tested : 28 Jun 2024

Diagnosed : 01 Jul 2024 - Jonathan Hester

SKEELS DAIRY FARM

7749 CADWELL RD

BLISS, NY

US 14024

Contact: Service Manager

MTS89@CORNELL.EDU

T:

F:

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)