



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

Machine Id
HAMM H12I H2840084
 Component
Drum Gearbox
 Fluid
WIRTGEN DRUM DRIVE (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The iron level has decreased, but is still abnormal. The lead level has decreased, but is still abnormal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

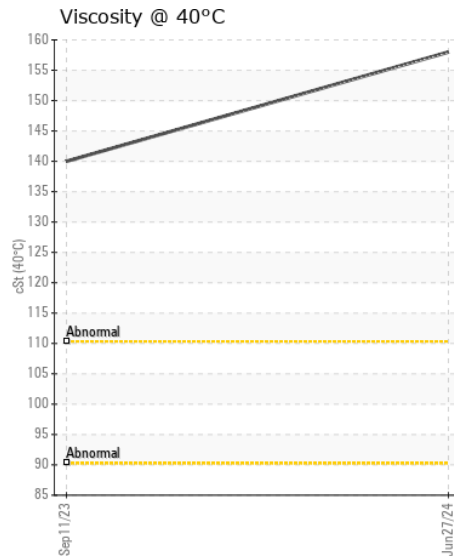
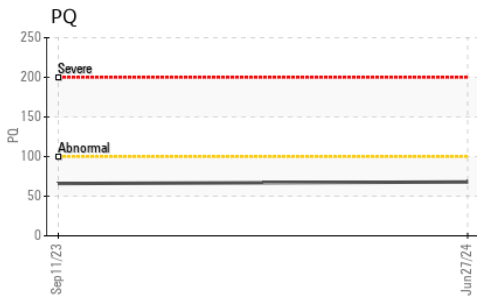
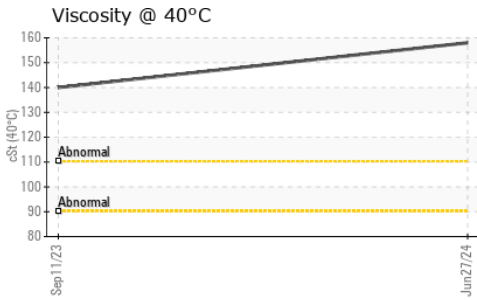
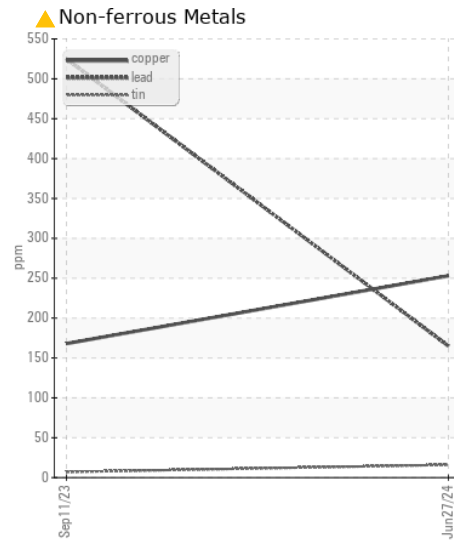
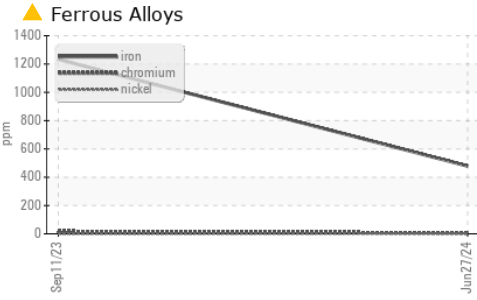
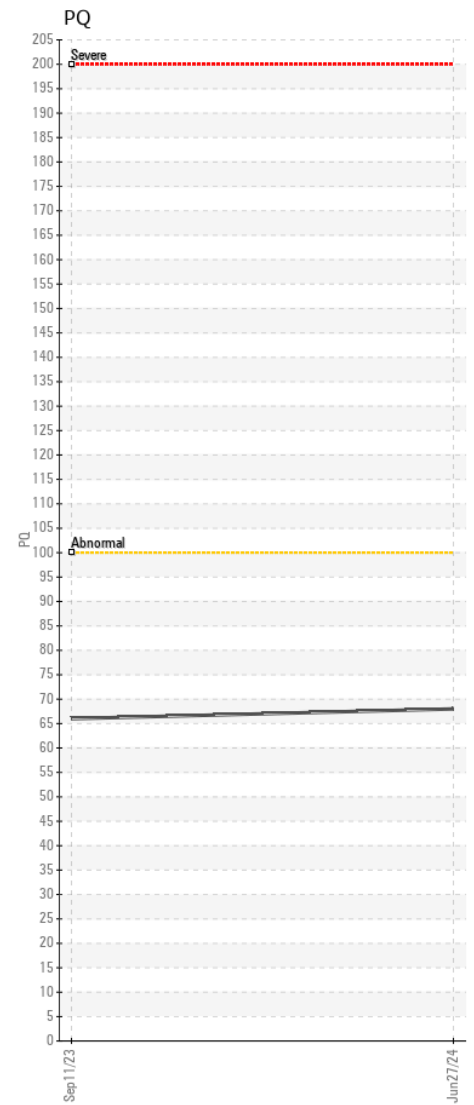
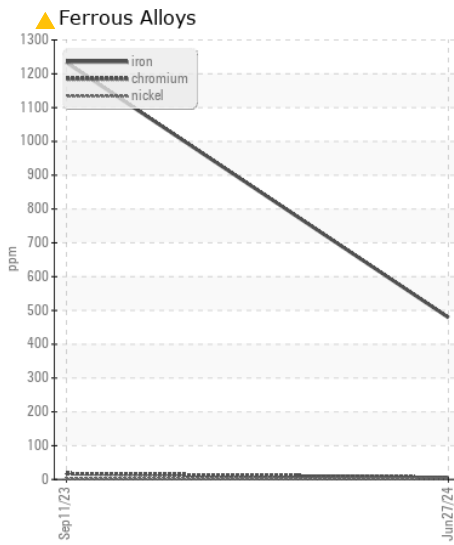
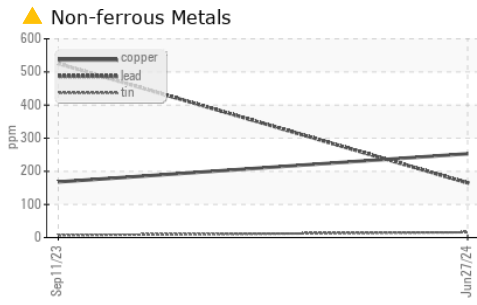
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | JR0225548 | JR0187732 | --- |
| Sample Date | | Client Info | | 27 Jun 2024 | 11 Sep 2023 | --- |
| Machine Age | hrs | Client Info | | 1509 | 946 | --- |
| Oil Age | hrs | Client Info | | 0 | 946 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Not Changd | Changed | --- |
| Filter Changed | | Client Info | | N/A | None | --- |
| Sample Status | | | | ABNORMAL | ABNORMAL | --- |

| | | | | | | |
|--------------|--------|-------------|------|--------------|--------|-----|
| PQ | | ASTM D8184 | | 68 | 66 | --- |
| Iron | ppm | ASTM D5185m | >200 | ▲ 479 | ▲ 1233 | --- |
| Chromium | ppm | ASTM D5185m | >10 | 5 | 17 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 2 | <1 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | | 2 | 0 | --- |
| Lead | ppm | ASTM D5185m | | ▲ 165 | ▲ 525 | --- |
| Copper | ppm | ASTM D5185m | | 253 | 168 | --- |
| Tin | ppm | ASTM D5185m | | 16 | 7 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | | 9 | 8 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 5 | 0 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | LIGHT | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | --- |

| | | | | | | |
|-------------|-----|-------------|--|--------------|-------|-----|
| Sodium | ppm | ASTM D5185m | | 5 | 5 | --- |
| Boron | ppm | ASTM D5185m | | 113 | 31 | --- |
| Barium | ppm | ASTM D5185m | | 1 | 6 | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | | 6 | 12 | --- |
| Magnesium | ppm | ASTM D5185m | | 3 | 5 | --- |
| Calcium | ppm | ASTM D5185m | | 86 | 12 | --- |
| Phosphorus | ppm | ASTM D5185m | | 1345 | 1149 | --- |
| Zinc | ppm | ASTM D5185m | | 67 | 96 | --- |
| Sulfur | ppm | ASTM D5185m | | 32566 | 29422 | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 158 | 140 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225548 **Received** : 28 Jun 2024
Lab Number : 06223761 **Tested** : 01 Jul 2024
Unique Number : 11101958 **Diagnosed** : 01 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)