CONST

James River Equipment

OIL ANALYSIS REPORT

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

Area

**[05W47779]**

Machine Id

**KLEEMAN MC110i EVO2 K1170114**

Component

**Left Final Drive**

Fluid

**WIRTGEN GROUP GEAR OIL 85W90 (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

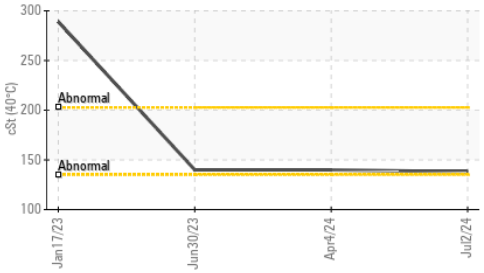
There is no indication of any contamination in the oil.

## FLUID CONDITION

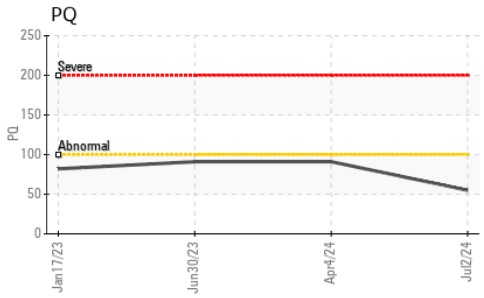
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | JR0225699 | JR0211149 | JR0169753 |
| Sample Date | | Client Info | | 02 Jul 2024 | 04 Apr 2024 | 30 Jun 2023 |
| Machine Age | hrs | Client Info | | 1975 | 1436 | 990 |
| Oil Age | hrs | Client Info | | 1020 | 927 | 500 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| PQ | | ASTM D8184 | | 55 | 91 | 91 |
| Iron | ppm | ASTM D5185m | >500 | 42 | 57 | 61 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | 1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | <1 | 0 | 0 |
| Lead | ppm | ASTM D5185m | >25 | 0 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >50 | 2 | 3 | 3 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >75 | 1 | 4 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 0 | 1 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | 1 | <1 | 0 |
| Boron | ppm | ASTM D5185m | | 27 | 32 | 36 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 2 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | 2 | 2 | 2 |
| Magnesium | ppm | ASTM D5185m | | <1 | 0 | 2 |
| Calcium | ppm | ASTM D5185m | | 27 | 9 | 10 |
| Phosphorus | ppm | ASTM D5185m | | 478 | 491 | 466 |
| Zinc | ppm | ASTM D5185m | | 16 | 0 | 6 |
| Sulfur | ppm | ASTM D5185m | | 22827 | 21796 | 20774 |
| Visc @ 40°C | cSt | ASTM D445 | | 138 | 140 | 140 |

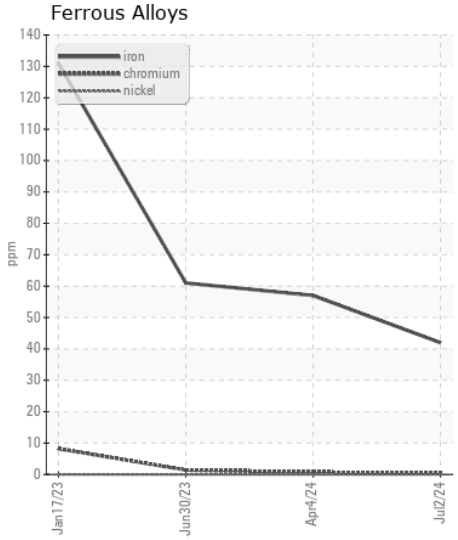
Viscosity @ 40°C



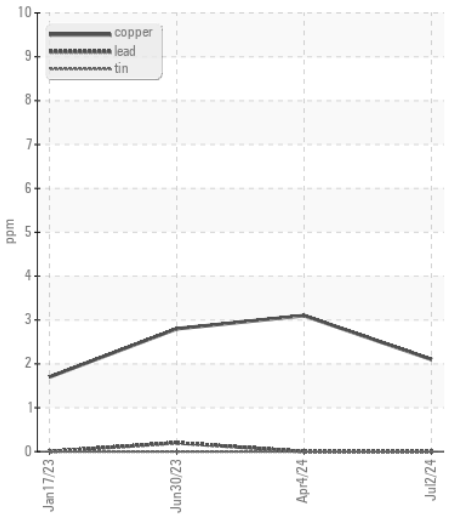

PQ



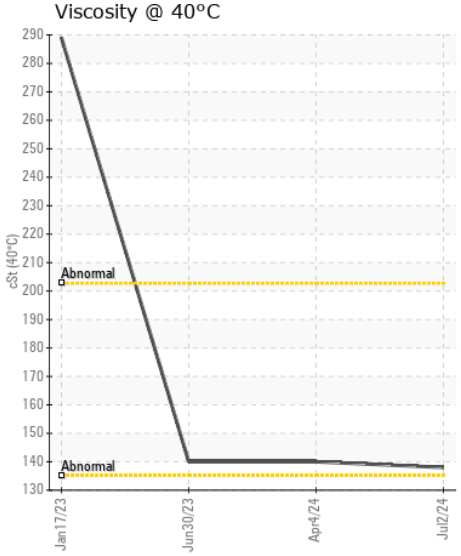

Ferrous Alloys



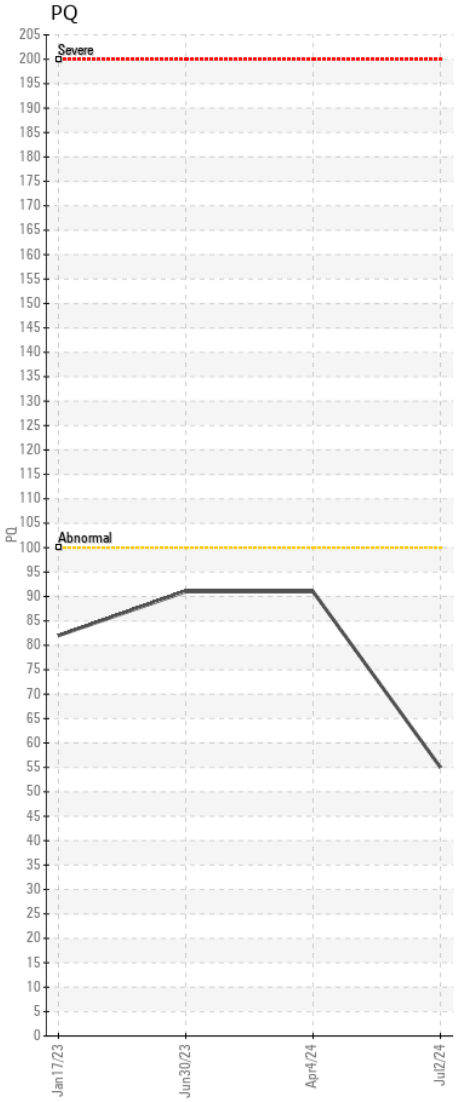

Non-ferrous Metals




Viscosity @ 40°C




PQ




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : JR0225699
**Lab Number** : 06227818
**Unique Number** : 11111311
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 03 Jul 2024
**Tested** : 05 Jul 2024
**Diagnosed** : 07 Jul 2024 - Don Baldridge

*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)*

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