



# OIL ANALYSIS REPORT

|                 |               |
|-----------------|---------------|
| WEAR            | <b>NORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b> |
| FLUID CONDITION | <b>NORMAL</b> |

Machine Id  
**2570**  
Component  
**4 Propel Gearbox**  
Fluid  
**BELRAY 100 EP GEAR OIL 680 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample.

## WEAR

All component wear rates are normal.

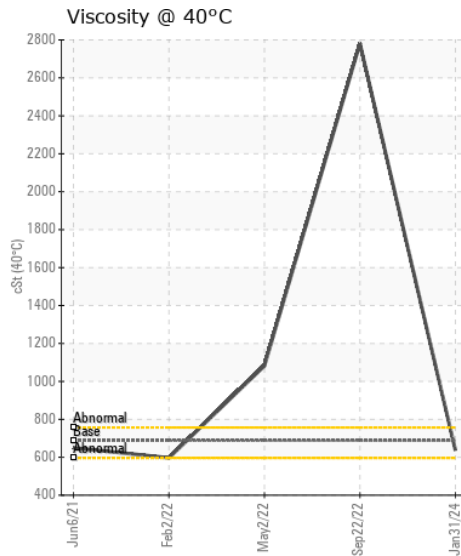
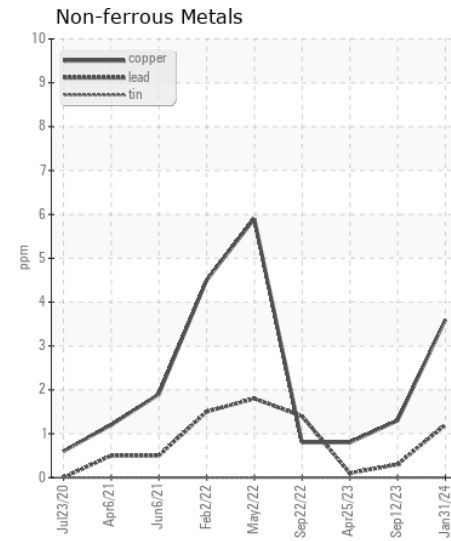
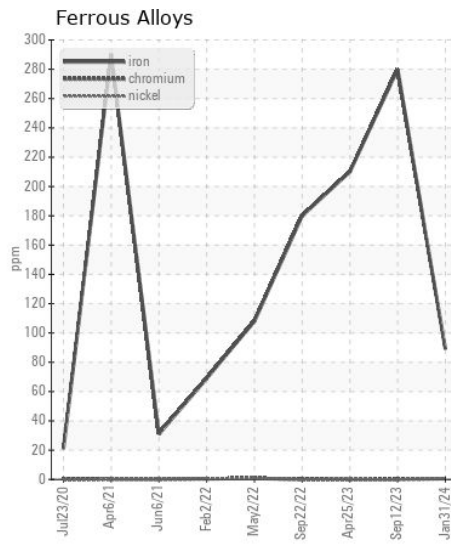
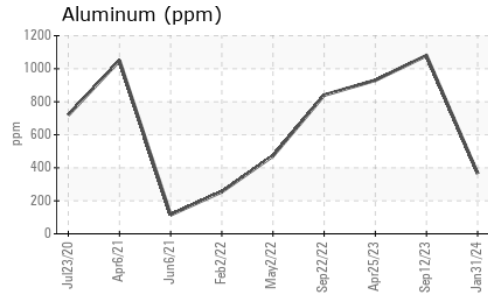
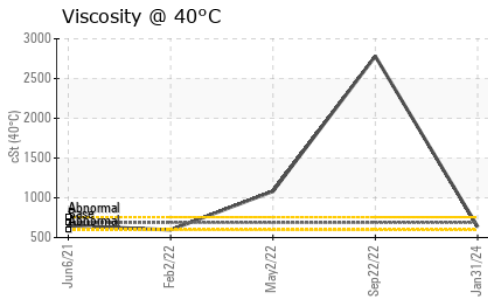
## CONTAMINATION

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   |           | <b>BR0000821</b>   | BR0000765   | BR0000646   |
| Sample Date      |        | Client Info   |           | <b>31 Jan 2024</b> | 12 Sep 2023 | 25 Apr 2023 |
| Machine Age      | hrs    | Client Info   |           | <b>275332</b>      | 29393       | 0           |
| Oil Age          | hrs    | Client Info   |           | <b>0</b>           | 0           | 0           |
| Filter Age       | hrs    | Client Info   |           | <b>0</b>           | 0           | 0           |
| Oil Changed      |        | Client Info   |           | <b>N/A</b>         | N/A         | N/A         |
| Filter Changed   |        | Client Info   |           | <b>N/A</b>         | N/A         | N/A         |
| Sample Status    |        |               |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |
| Iron             | ppm    | ASTM D5185(m) | >200      | <b>89</b>          | 280         | 210         |
| Chromium         | ppm    | ASTM D5185(m) | >10       | <b>&lt;1</b>       | 0           | 0           |
| Nickel           | ppm    | ASTM D5185(m) | >10       | <b>&lt;1</b>       | 0           | <1          |
| Titanium         | ppm    | ASTM D5185(m) |           | <b>0</b>           | 0           | 0           |
| Silver           | ppm    | ASTM D5185(m) |           | <b>0</b>           | <1          | 0           |
| Aluminum         | ppm    | ASTM D5185(m) |           | <b>366</b>         | 1080        | 930         |
| Lead             | ppm    | ASTM D5185(m) |           | <b>1</b>           | <1          | <1          |
| Copper           | ppm    | ASTM D5185(m) |           | <b>4</b>           | 1           | <1          |
| Tin              | ppm    | ASTM D5185(m) |           | <b>0</b>           | 0           | 0           |
| Vanadium         | ppm    | ASTM D5185(m) |           | <b>0</b>           | 0           | 0           |
| White Metal      | scalar | Visual*       | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Yellow Metal     | scalar | Visual*       | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Silicon          | ppm    | ASTM D5185(m) |           | <b>43</b>          | 130         | 110         |
| Potassium        | ppm    | ASTM D5185(m) | >20       | <b>2</b>           | 0           | 0           |
| Water            |        | WC Method     | >0.2      | <b>NEG</b>         | NEG         | NEG         |
| Silt             | scalar | Visual*       | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Debris           | scalar | Visual*       | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Sand/Dirt        | scalar | Visual*       | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Appearance       | scalar | Visual*       | NORML     | <b>NORML</b>       | NORML       | NORML       |
| Odor             | scalar | Visual*       | NORML     | <b>NORML</b>       | NORML       | NORML       |
| Emulsified Water | scalar | Visual*       | >0.2      | <b>NEG</b>         | NEG         | NEG         |
| Sodium           | ppm    | ASTM D5185(m) |           | <b>21</b>          | 100         | 6           |
| Boron            | ppm    | ASTM D5185(m) |           | <b>&lt;1</b>       | <1          | <1          |
| Barium           | ppm    | ASTM D5185(m) |           | <b>0</b>           | <1          | 0           |
| Molybdenum       | ppm    | ASTM D5185(m) |           | <b>629</b>         | 1720        | 1460        |
| Manganese        | ppm    | ASTM D5185(m) |           | <b>&lt;1</b>       | 0           | <1          |
| Magnesium        | ppm    | ASTM D5185(m) |           | <b>1</b>           | 0           | 0           |
| Calcium          | ppm    | ASTM D5185(m) |           | <b>63</b>          | 160         | 130         |
| Phosphorus       | ppm    | ASTM D5185(m) |           | <b>572</b>         | 630         | 620         |
| Zinc             | ppm    | ASTM D5185(m) |           | <b>6</b>           | 2           | 2           |
| Sulfur           | ppm    | ASTM D5185(m) |           | <b>8644</b>        | 11840       | 11360       |
| Visc @ 40°C      | cSt    | ASTM D7279(m) | 688       | <b>637</b>         | ---         | ---         |



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : BR0000821  
**Lab Number** : 02619065  
**Unique Number** : 5736175  
**Test Package** : IND 1

**CAN JER INDUSTRIAL LUBRICANT LTD**  
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 ESTEVAN, SK  
 CA S4A 2A4  
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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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F: