



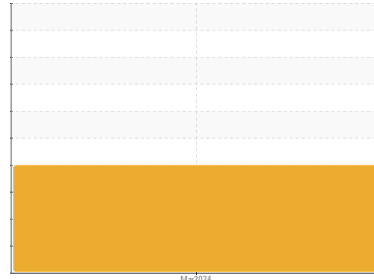
OIL ANALYSIS REPORT

Sample Rating Trend

COOL CHEMICALS



Area
R.B.W. - R00800
 Machine Id
A2403181
 Component
Cutting Fluid
 Fluid
{not provided} (--- GAL)



DIAGNOSIS

- **Recommendation**
This is a baseline read-out on the submitted sample.
- **Wear**
Copper and iron ppm levels are noted.
- **Contamination**
Potassium ppm levels are notably high.
- **Fluid Condition**
Sodium ppm levels are notably high.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|------------------|-------------|-------------|---------------------|----------|----------|
| Batch # | Client Info | | 2024 03 0430 | --- | --- |
| Department | Client Info | | Production | --- | --- |
| Sample From | Client Info | | Machine | --- | --- |
| Production Stage | Client Info | | Initial | --- | --- |
| Sent to WC | Client Info | | 03/27/2024 | --- | --- |
| Sample Number | Client Info | | E30001772 | --- | --- |
| Sample Date | Client Info | | 27 Mar 2024 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | | Client Info | N/A | --- | --- |
| Sample Status | | | ATTENTION | --- | --- |

CONTAMINATION

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

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|---------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) | ● 22 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | 4 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | <1 | --- | --- |
| Lead | ppm | ASTM D5185(m) | 2 | --- | --- |
| Copper | ppm | ASTM D5185(m) | ● 37 | --- | --- |
| Tin | ppm | ASTM D5185(m) | 0 | --- | --- |
| Antimony | ppm | ASTM D5185(m) | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Beryllium | ppm | ASTM D5185(m) | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185(m) | 0 | --- | --- |

ADDITIVES

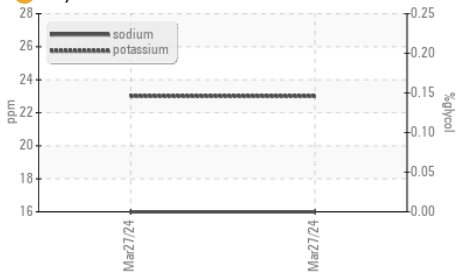
| | method | limit/base | current | history1 | history2 |
|------------|--------|---------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185(m) | 2 | --- | --- |
| Barium | ppm | ASTM D5185(m) | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | 0 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | 33 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 107 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | 310 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 269 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | 5753 | --- | --- |
| Lithium | ppm | ASTM D5185(m) | <1 | --- | --- |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | <1 | --- | --- |
| Sodium | ppm | ASTM D5185(m) | ● 16 | --- | --- |
| Potassium | ppm | ASTM D5185(m) >20 | ● 23 | --- | --- |

OIL ANALYSIS REPORT

Glycol Contamination



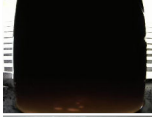

Ferrous Alloys



Non-ferrous Metals



| 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 | --- | --- |

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30001772
Lab Number : 02625858
Unique Number : 5758990
Test Package : TEST (Additional Tests: ICP)

Environmental 360 Solutions Ltd.
 640 Victoria Street
 Cobourg, ON
 CA K9A 5H5
 Contact: Tatiana Sorkina
 tsorkina@e360s.ca
 T: (800)263-3939
 F: (905)373-4950

To discuss this sample report, contact Customer Service at 1-905-372-2251.
 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.