

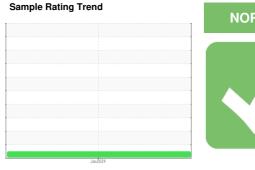
OIL ANALYSIS REPORT

Dofasco (Arcelor Mittal) - D00400 A2401089

Component

Unknown Component

MORG OIL 220 (--- GAL)



| NORMAL |
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Recommendation

This is a baseline read-out on the submitted sample.

Wear

Iron ppm levels are noted.

Contamination

{not applicable}

Fluid Condition

{not applicable}

| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
|------------------|--------|-------------|------------|--------------|----------|----------|
| Batch # | | Client Info | | 2024 01 0210 | | |
| Department | | Client Info | | Production | | |
| Sample From | | Client Info | | Machine | | |
| Production Stage | | Client Info | | Initial | | |
| Sent to WC | | Client Info | | 01/17/2024 | | |
| Sample Number | | Client Info | | E30001198 | | |
| Sample Date | | Client Info | | 17 Jan 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|---------------|------------|---------|----------|----------|
| Iron | ppm | ASTM D5185(m) | | 78 | | |
| Chromium | ppm | ASTM D5185(m) | | <1 | | |
| Nickel | ppm | ASTM D5185(m) | | 1 | | |
| Titanium | ppm | ASTM D5185(m) | | 0 | | |
| Silver | ppm | ASTM D5185(m) | | 0 | | |
| Aluminum | ppm | ASTM D5185(m) | | 1 | | |
| Lead | ppm | ASTM D5185(m) | | <1 | | |
| Copper | ppm | ASTM D5185(m) | | 2 | | |
| Tin | ppm | ASTM D5185(m) | | 2 | | |
| 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 |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|---------------|------------|---------|----------|----------|
| Boron | ppm | ASTM D5185(m) | | 8 | | |
| Barium | ppm | ASTM D5185(m) | | 0 | | |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | | |
| Manganese | ppm | ASTM D5185(m) | | <1 | | |
| Magnesium | ppm | ASTM D5185(m) | | 11 | | |
| Calcium | ppm | ASTM D5185(m) | | 13 | | |
| Phosphorus | ppm | ASTM D5185(m) | | 6 | | |
| Zinc | ppm | ASTM D5185(m) | | 6 | | |
| Sulfur | ppm | ASTM D5185(m) | | 3912 | | |
| Lithium | ppm | ASTM D5185(m) | | <1 | | |
| | | | 11 1. 11 | | 111 | 1: |

| CONTAMINANTS | | method | | | history2 |
|--------------|-----|---------------|-----|-----|----------|
| Silicon | ppm | ASTM D5185(m) | | 2 | |
| Sodium | ppm | ASTM D5185(m) | | 4 | |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | |
| Water | % | ASTM D6304* | | NEG | |



OIL ANALYSIS REPORT

| 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 | MILKY | | |
| Odor | scalar | Visual* | NORML | NORML | | |
| SAMPLE IMAGES | 5 | method | limit/base | current | history1 | history2 |
| Color | | | | | no image | no image |
| Bottom | | | | | no image | no image |
| GRAPHS | | | | | | |



CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

Unique Number : 5711153 Test Package : TEST (Additional Tests: ICP, KF)

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : E30001198 : 02610067

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.

Recieved Diagnosed

: 19 Jan 2024 : 23 Jan 2024 Diagnostician : Tatiana Sorkina

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

Cobourg, ON CA K9A 5H5 Contact: Tatiana Sorkina tsorkina@e360s.ca T: (800)263-3939 F: (905)373-4950

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Environmental 360 Solutions Ltd.

Report Id: CHECOB [WCAMIS] 02610067 (Generated: 01/23/2024 13:29:23) Rev: 1

Contact/Location: Tatiana Sorkina - CHECOB