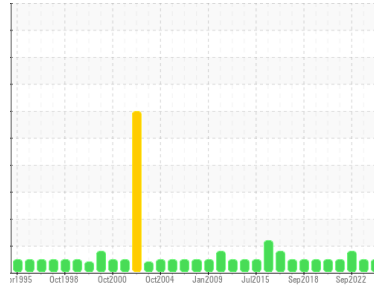




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Four RH
 Machine Id
54P07-TR-E

Component
Reduction Gear
 Fluid
MOBIL MOBILGEAR 600 XP 320 (20 LTR)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | | WC0901027 | WC0854731 | WC0711353 |
| Sample Date | Client Info | | | 12 Mar 2024 | 17 Sep 2023 | 29 Sep 2022 |
| Machine Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | Client Info | | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | ATTENTION |

| CONTAMINATION | | method | limit/base | current | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water | WC Method | | >0.1 | NEG | NEG | NEG |

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|---------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185(m) | >117 | 74 | 66 | 55 |
| Chromium | ppm | ASTM D5185(m) | >2 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >2 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >11 | 1 | <1 | <1 |
| Lead | ppm | ASTM D5185(m) | >10 | <1 | 0 | 0 |
| Copper | ppm | ASTM D5185(m) | >55 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | 0 | 0 |
| Antimony | ppm | ASTM D5185(m) | >5 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Beryllium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|---------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185(m) | 32 | 22 | 24 | 25 |
| Barium | ppm | ASTM D5185(m) | 0.0 | 2 | 2 | 2 |
| Molybdenum | ppm | ASTM D5185(m) | 0.0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | 0.0 | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185(m) | 0.4 | <1 | <1 | 0 |
| Calcium | ppm | ASTM D5185(m) | 1.8 | 2 | 2 | 1 |
| Phosphorus | ppm | ASTM D5185(m) | 308 | 311 | 342 | 346 |
| Zinc | ppm | ASTM D5185(m) | 0.3 | 2 | 2 | 1 |
| Sulfur | ppm | ASTM D5185(m) | 16666 | 15947 | 15641 | 15547 |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 | <1 |

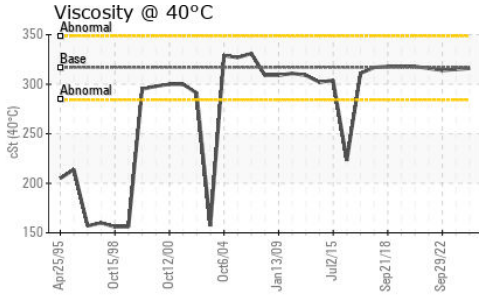
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|---------------|------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | >50 | 3 | 6 | 3 |
| Sodium | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | <1 | 0 |

| INFRA-RED | | method | limit/base | current | history1 | history2 |
|-----------|----------|-------------|------------|-------------|----------|----------|
| Soot % | % | ASTM D7844* | | 0 | 0 | 0 |
| Nitration | Abs/cm | ASTM D7624* | | 3.5 | 3.5 | 2.9 |
| Sulfation | Abs/.1mm | ASTM D7415* | | 13.5 | 13.4 | 12.3 |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|-------------|------------|------------|----------|----------|
| Oxidation | Abs/.1mm | ASTM D7414* | | 4.5 | 4.5 | 4.1 |



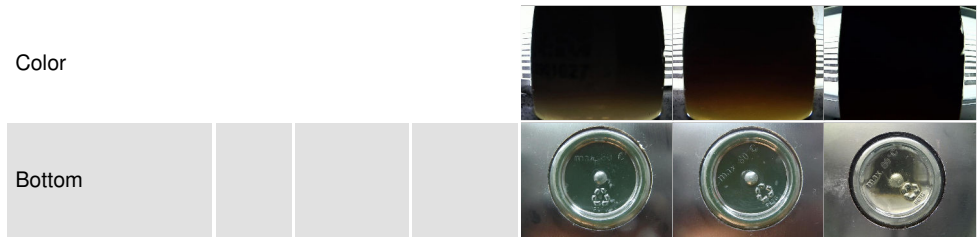
OIL ANALYSIS REPORT



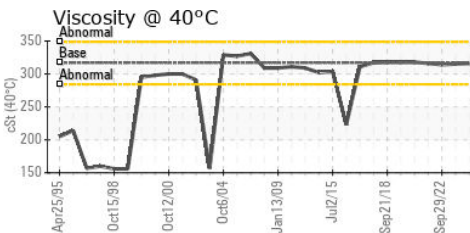
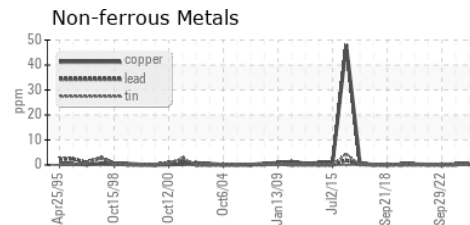
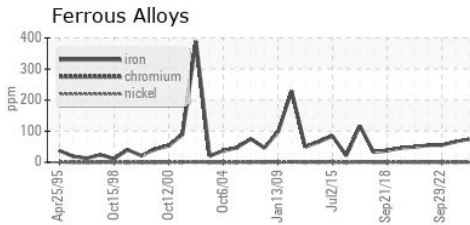
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE |
| Precipitate | scalar | Visual* | NONE | NONE | NONE |
| Silt | scalar | Visual* | NONE | NONE | 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* | >0.1 | NEG | NEG |
| Free Water | scalar | Visual* | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|------------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 317 | 316 | 315 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0901027 **Received** : 15 Mar 2024
Lab Number : **02622457** **Tested** : 15 Mar 2024
Unique Number : 5747576 **Diagnosed** : 15 Mar 2024 - Wes Davis
Test Package : IND 1 (Additional Tests: FT-IR)

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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