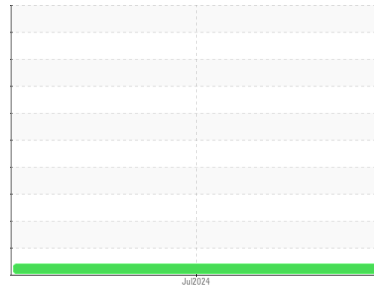


# OIL ANALYSIS REPORT

Sample Rating Trend



**VISCOSITY**



Machine Id  
**MOBIL MORG OIL 320 - ANDRITZ**  
 Component  
**Tank New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

**DIAGNOSIS**

**▲ Recommendation**

This is a baseline read-out on the submitted sample. Please note that this is a corrected copy for diagnostic comment updates.

**▲ Fluid Condition**

The oil viscosity is lower than normal. Confirm oil type.

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number      | Client Info |             |            | <b>PCA0100590</b>  | ---      | ---      |
| Sample Date        | Client Info |             |            | <b>02 Jul 2024</b> | ---      | ---      |
| Machine Age        | hrs         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Age            | hrs         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Changed        | Client Info |             |            | <b>N/A</b>         | ---      | ---      |
| Sample Status      |             |             |            | <b>ABNORMAL</b>    | ---      | ---      |

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

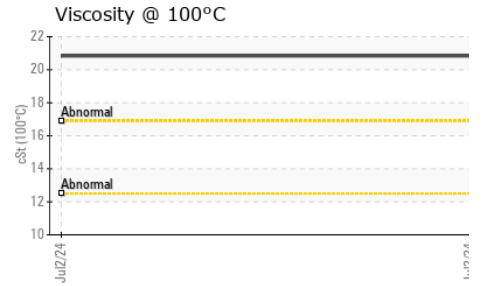
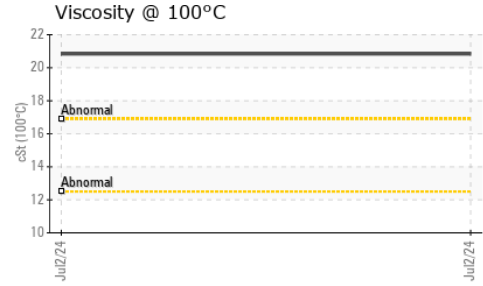
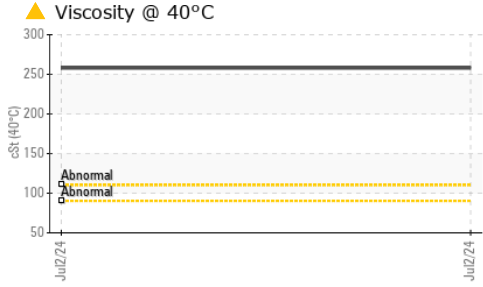
| WEAR METALS |     | method      | limit/base | current  | history1 | history2 |
|-------------|-----|-------------|------------|----------|----------|----------|
| Iron        | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Chromium    | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Nickel      | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Silver      | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Aluminum    | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Lead        | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Copper      | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Tin         | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b> | ---      | ---      |

| ADDITIVES  |     | method      | limit/base | current    | history1 | history2 |
|------------|-----|-------------|------------|------------|----------|----------|
| Boron      | ppm | ASTM D5185m |            | <b>0</b>   | ---      | ---      |
| Barium     | ppm | ASTM D5185m |            | <b>0</b>   | ---      | ---      |
| Molybdenum | ppm | ASTM D5185m |            | <b>28</b>  | ---      | ---      |
| Manganese  | ppm | ASTM D5185m |            | <b>0</b>   | ---      | ---      |
| Magnesium  | ppm | ASTM D5185m |            | <b>46</b>  | ---      | ---      |
| Calcium    | ppm | ASTM D5185m |            | <b>124</b> | ---      | ---      |
| Phosphorus | ppm | ASTM D5185m |            | <b>80</b>  | ---      | ---      |
| Zinc       | ppm | ASTM D5185m |            | <b>82</b>  | ---      | ---      |
| Sulfur     | ppm | ASTM D5185m |            | <b>795</b> | ---      | ---      |


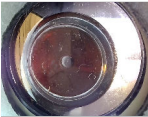
| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m |            | <b>&lt;1</b> | ---      | ---      |
| Sodium       | ppm | ASTM D5185m |            | <b>&lt;1</b> | ---      | ---      |
| Potassium    | ppm | ASTM D5185m | >20        | <b>0</b>     | ---      | ---      |

| VISUAL           |        | method  | limit/base | current      | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal      | scalar | *Visual | NONE       | <b>NONE</b>  | ---      | ---      |
| Yellow Metal     | scalar | *Visual | NONE       | <b>NONE</b>  | ---      | ---      |
| Precipitate      | scalar | *Visual | NONE       | <b>NONE</b>  | ---      | ---      |
| Silt             | scalar | *Visual | NONE       | <b>NONE</b>  | ---      | ---      |
| Debris           | scalar | *Visual | NONE       | <b>NONE</b>  | ---      | ---      |
| Sand/Dirt        | scalar | *Visual | NONE       | <b>NONE</b>  | ---      | ---      |
| Appearance       | scalar | *Visual | NORML      | <b>NORML</b> | ---      | ---      |
| Odor             | scalar | *Visual | NORML      | <b>NORML</b> | ---      | ---      |
| Emulsified Water | scalar | *Visual |            | <b>NEG</b>   | ---      | ---      |
| Free Water       | scalar | *Visual |            | <b>NEG</b>   | ---      | ---      |

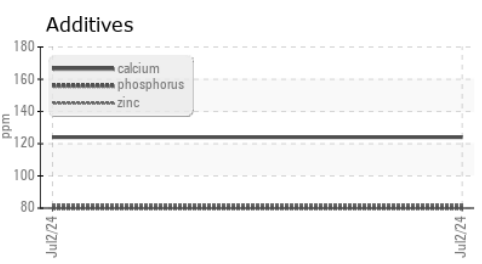
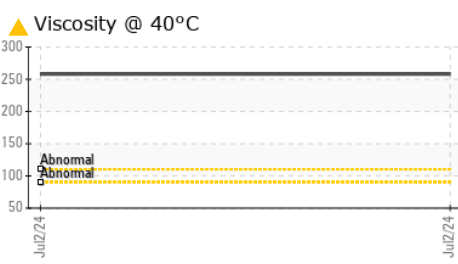
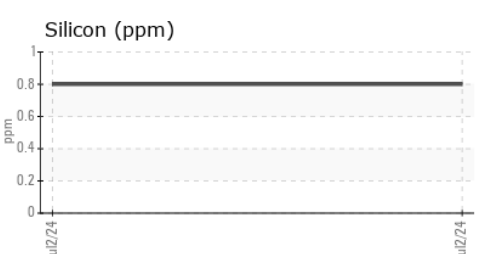
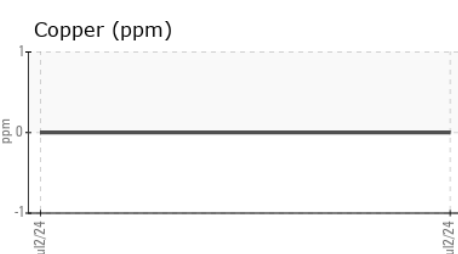
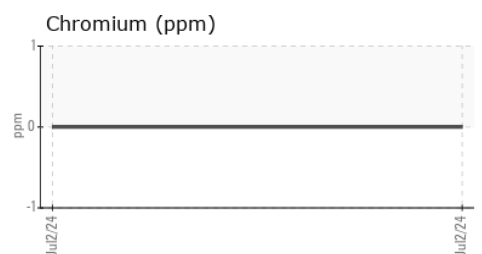
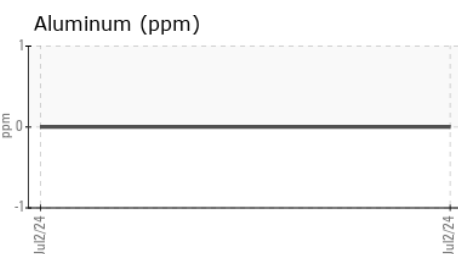
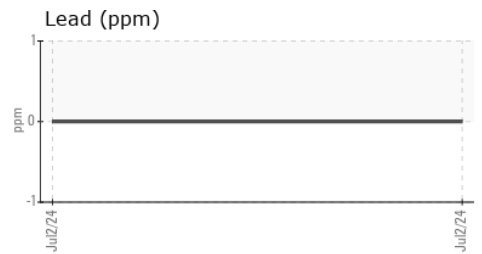
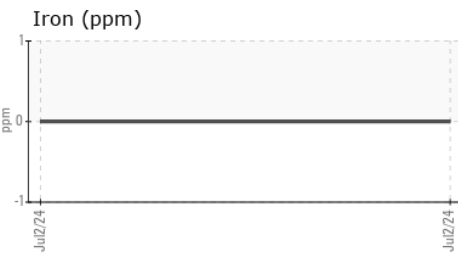
# OIL ANALYSIS REPORT



| FLUID PROPERTIES     |       | method     | limit/base | current | history1 | history2 |
|----------------------|-------|------------|------------|---------|----------|----------|
| Visc @ 40°C          | cSt   | ASTM D445  |            | ▲ 258.0 | ---      | ---      |
| Visc @ 100°C         | cSt   | ASTM D445  |            | 20.84   | ---      | ---      |
| Viscosity Index (VI) | Scale | ASTM D2270 |            | 95      | ---      | ---      |

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0100590      **Received** : 11 Jul 2024  
**Lab Number** : 06233743      **Tested** : 15 Jul 2024  
**Unique Number** : 11117236      **Diagnosed** : 22 Jul 2024 - Doug Bogart  
**Test Package** : MOB 1 ( Additional Tests: FT-IR, KV100, VI )

**PINKERTON LUBRICANTS**  
P.O. BOX 947  
CHESTERTON, IN  
US 46304  
Contact: JIM MACK  
jim@leahywolf.com  
T: (219)241-3275  
F: (219)929-4677

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)