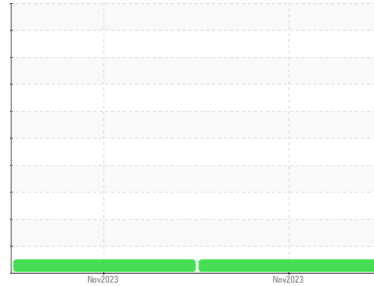




OIL ANALYSIS REPORT

Sample Rating Trend

UNKNOWN



Area
[CAN 196 RECD 9/20/23]
 Machine Id
ASTM LU 2309
 Component
New (Unused) Oil
 Fluid
NOT GIVEN (--- QTS)

DIAGNOSIS

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|----------|
| Sample Number | Client Info | | | WC11223KD | WC11223JH | --- |
| Sample Date | Client Info | | | 02 Nov 2023 | 02 Nov 2023 | --- |
| Machine Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | Client Info | | | N/A | N/A | --- |
| Sample Status | | | | --- | --- | --- |

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

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

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | | 56 | 61 | --- |
| Barium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 66 | 72 | --- |
| Manganese | ppm | ASTM D5185m | | <1 | 0 | --- |
| Magnesium | ppm | ASTM D5185m | | 409 | 506 | --- |
| Calcium | ppm | ASTM D5185m | | 1019 | 1309 | --- |
| Phosphorus | ppm | ASTM D5185m | | 603 | 753 | --- |
| Zinc | ppm | ASTM D5185m | | 715 | 990 | --- |
| Sulfur | ppm | ASTM D5185m | | 2054 | 2832 | --- |

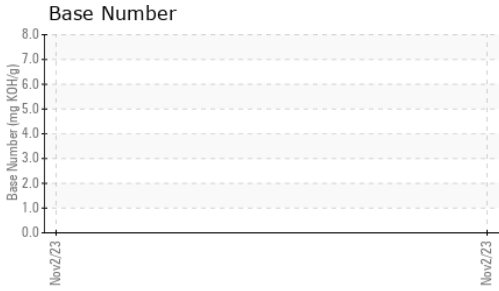
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m | | 9 | 9 | --- |
| Sodium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 2 | --- |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.74 | 1.55 | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 7.34 | --- | --- |

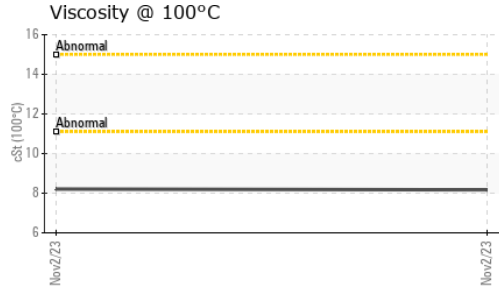
| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|----------------------|-------|------------|------------|----------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | | ▲ 45.09 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 | | ▲ 8.17 | 8.21 | --- |
| Viscosity Index (VI) | Scale | ASTM D2270 | | 156 | --- | --- |



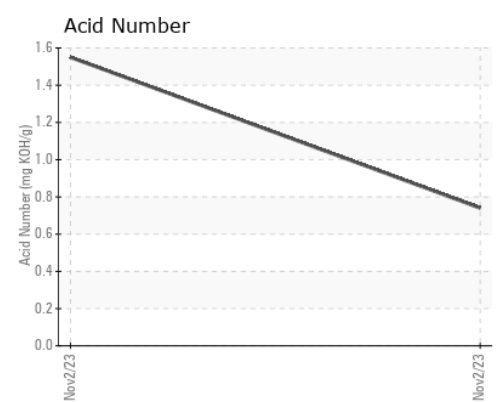
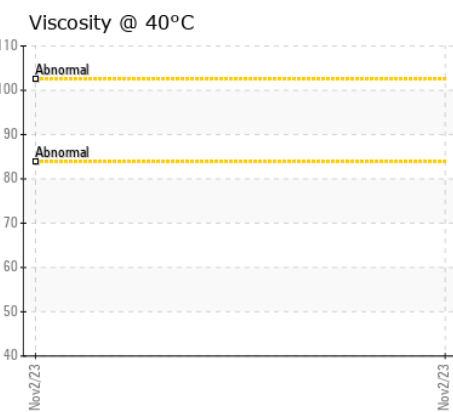
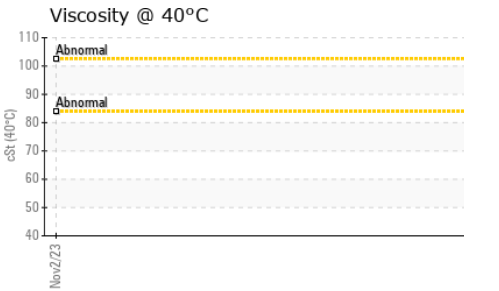
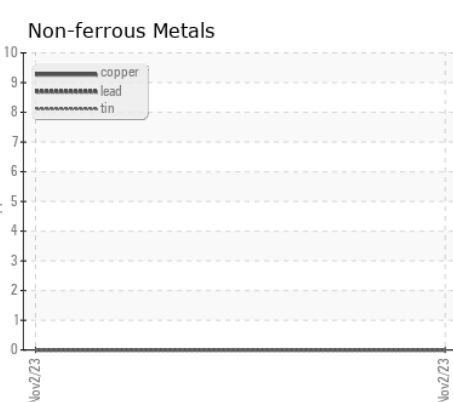
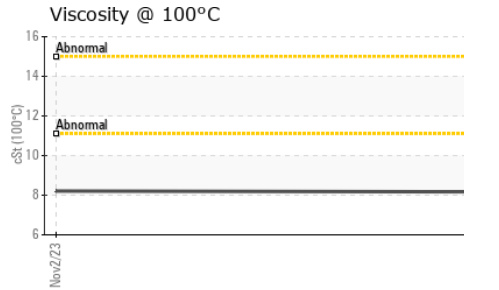
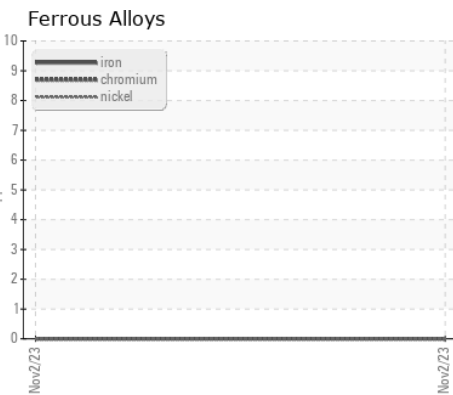
OIL ANALYSIS REPORT



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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC11223KD **Received** : 02 Nov 2023
Lab Number : 05997592 **Diagnosed** : 02 Jan 2024
Unique Number : 10725952 **Diagnostician** : System
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN, VI)
 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)

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