





Bureau Veritas Oil Condition Monitoring 12715 Royal Drive, Stafford, TX 800-248-7778

labchecksupport@bureauveritas.com

Sample Analysis Repor Status

Sample Condition

#### Account Information

**Unit Information** 

Lab Customer ID#: 319182 Company Name: ACME Demo Worksite: Houston, TX

Address: 123.

Unit Manufacturer: Caterpillar

Unit Model: 3516

Unit Serial: UnivC

Unit Worksite: Houston, TX

Edmonton, Alberta, T6B 3M9

Unit ID: 1107/ELMER FUDD EAST/MAIN

#### Sample Information

Component Information

of 2

Lab No.: 201907290612 Sample Tracking #: E201907180592 Sampled Date: 07/10/2019 Received Date: 07/29/2019

Completed Date: 08/01/2019

Component Description: COOLING SYSTEM

Component Type: COOLING SYSTEM

Component Manufacturer: Caterpillar

Component Model: 3516

Component Serial: UnivC

### Other Sample Information

Work Order No.: Reference No.: 7594028 Filter Age: 0 Make Up Oil 0 Amount:

PO No.:

#### Fluid Information

Fluid Manufacturer: CHEVRON Fluid HEAVY DUTY PF ANTIFR Brand/Product:

Fluid Grade:

Maintenance for Lab No.: 201907290612

ANALYSIS INDICATES COOLANT MAINTENANCE / SERVICE IS REQUIRED! Note some phosphorous present. Corrosion protection levels are LOW. Note SLIGHT FOAMING, which can cause loss of heat transfer if this level increases, Note a change in the coolant color. The coolant appears stable. Suggest adding full maintenance dose of SCA. Resample at normal interval

Evaluated By: ENELSON

| - 1        |                 | Elements |          |      |       |     |      |       |        |           |           |          |        |         |          |
|------------|-----------------|----------|----------|------|-------|-----|------|-------|--------|-----------|-----------|----------|--------|---------|----------|
| LAB<br>NO. | SAMPLE<br>DRAWN | 404      | Aluminum | Apay | Coppe | Mr. | Smon | Boron | Sodium | Polassium | Moyodenum | Showsond | - Chic | Calcium | Magnesum |
| 0612       | 07/10/2019      | <1       | <1       | <1   | <1    | <1  | 16   | 334   | 1619   | 58        | 207       | 65       | <1     | <1      | <1       |
| 1081       | 06/28/2019      | <1       | <1       | <1   | <1    |     | 15   | 335   | 1659   | 58        | 187       | 68       | <1     | <1      | <1       |
| 0741       | 05/17/2019      | <1       | <1       | <1   | <1    |     | 17   | 359   | 1747   | 65        | 226       | 67       | 1      | <1      | <1       |
| 0820       | 04/11/2019      | <1       | <1       | <1   | <1    |     | 17   | 360   | 1752   | 59        | 228       | 66       | <1     | <1      | <1       |
| 0873       | 03/25/2019      | <1       | <1       | <1   | <1    |     | 16   | 313   | 1536   | 42        | 204       | 61       | <1     | <1      | <1       |
| 0542       | 02/27/2019      | <1       | <1       | <1   | <1    |     | 16   | 341   | 1676   | 52        | 218       | 64       | <1     | <1      | <1       |

| SAMPLE INFORMATION |                 |              |             |     |                 |                 |  |  |  |
|--------------------|-----------------|--------------|-------------|-----|-----------------|-----------------|--|--|--|
| Lab<br>No.         | Sample<br>Drawn | Unit<br>Time | Lube<br>Age | MOU | Filter<br>Chgd. | Lube<br>Service |  |  |  |
| 0612               | 07/10/2019      | 34829        | 34829       | HR  | No              | S               |  |  |  |
| 1081               | 06/28/2019      | 34541        |             | HR  | No              | S               |  |  |  |
| 0741               | 05/17/2019      | 33541        |             | HR  | No              | S               |  |  |  |
| 0820               | 04/11/2019      | 32674        |             | HR  | No              | S               |  |  |  |
| 0873               | 03/25/2019      | 32272        |             | HR  | No              | S               |  |  |  |
| 0542               | 02/27/2019      | 31646        |             | HR  | No              | S               |  |  |  |
|                    |                 |              |             |     |                 |                 |  |  |  |

KEY: UoM - Unit of Measure Y - Yes N - No C - Changed S - Sampled > - Greater

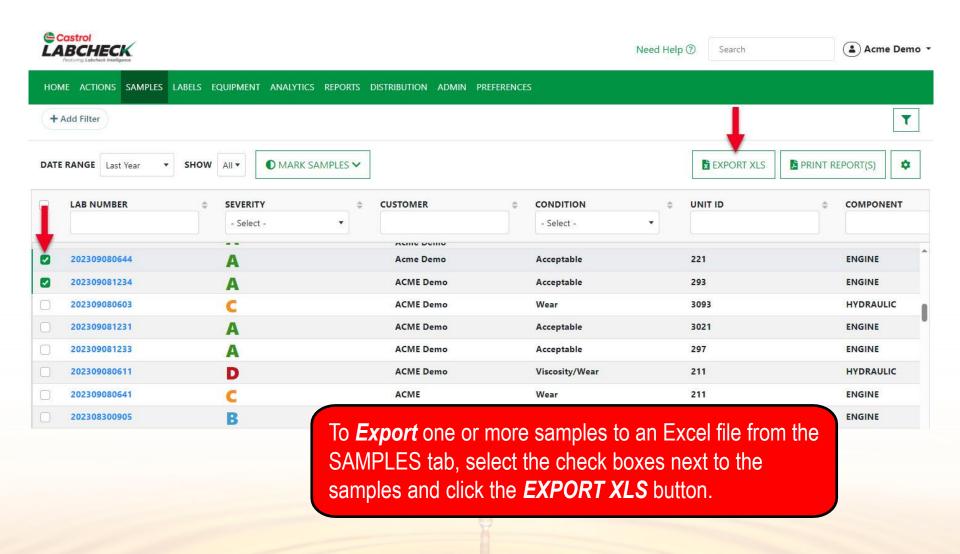
This analysis is intended as an aid in predicting mechanical wear. Test results, maintenance and apply only to this sample as provided. No guarantee, expressed or implied, is made age equipment and all of its components is the responsibility of the equipment owner. Testing performed by Bureau Veritas, an ISO/IEC 17025:2017 accredited laboratory by ANAB. Co

#### FLUID PROPERTIES

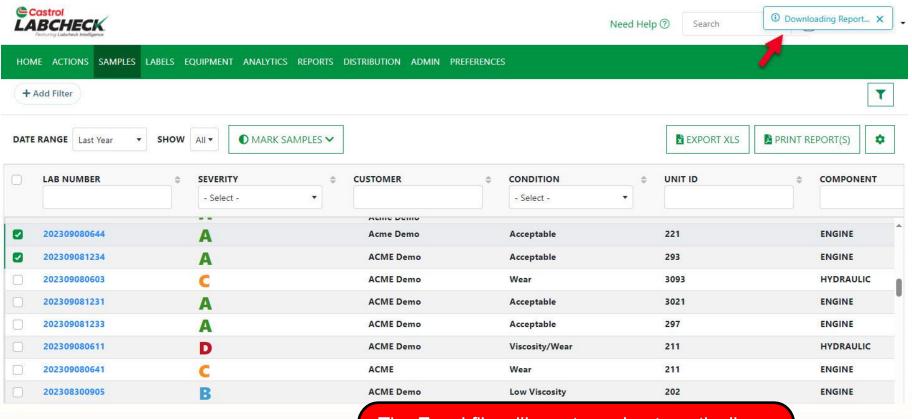
A new tab will open with the report PDF. To print, select the printer icon or using your keyboard – click the 'CTRI' button + the letter P.

To download, select the download icon.







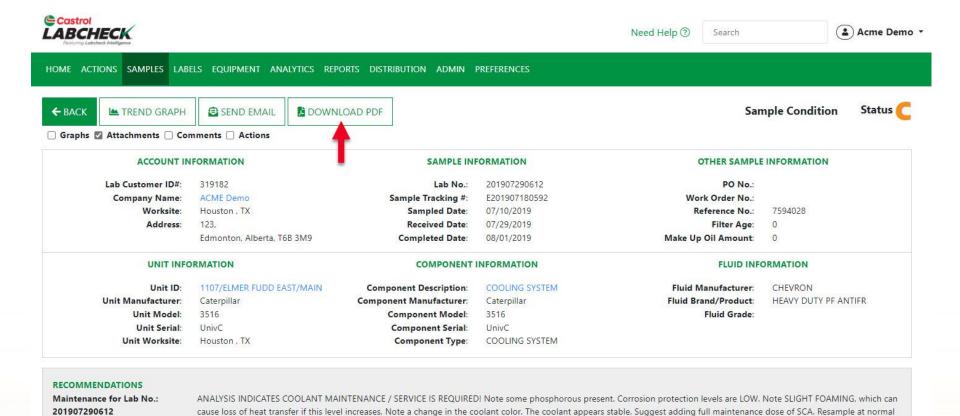


The Excel file will create and automatically download; the file link will appear at the bottom or top of your page depending on your browser.

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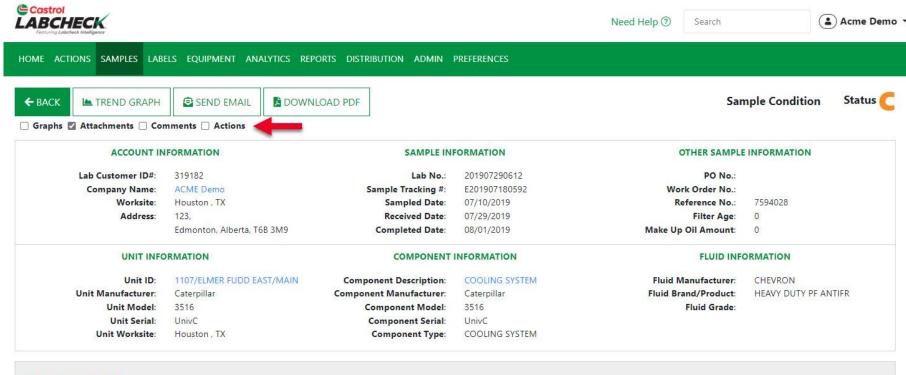
interval.





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#### RECOMMENDATIONS

Maintenance for Lab No.: 201907290612

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interval.

When checked, Graphs, Attachments, Comments, and Actions will be included in the PDF. Your selection will be retained for future printing.





Maintenance for Lab No.:

**Evaluated By: ENELSON** 

201907290612

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Sample Analysis Report Status

Sample Condition

#### Account Information

Lab Customer ID#: 319182 Company Name: ACME Demo Worksite: Houston, TX

Address: 123.

Edmonton, Alberta, T6B 3M9

### Sample Information

Component Information

of 2

Lab No.: 201907290612 Sample Tracking #: E201907180592 Sampled Date: 07/10/2019 Received Date: 07/29/2019

Completed Date: 08/01/2019

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Component Model: 3516

Component Serial: UnivC

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PO No .:

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**Unit Information** 

Unit ID: 1107/ELMER FUDD EAST/MAIN

Unit Manufacturer: Caterpillar Unit Model: 3516 Unit Serial: UnivC Unit Worksite: Houston, TX

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#### SPECTROCHEMICAL ANALYSIS IN PARTS PER MILLION LAB SAMPLE NO. DRAWN 0612 07/10/2019 <1 <1 <1 <1 16 334 1619 58 <1 <1 <1 1081 <1 58 06/28/2019 <1 <1 <1 15 335 1659 <1 <1 <1 <1 17 1 0741 05/17/2019 <1 <1 <1 359 1747 65 <1 <1 0820 04/11/2019 <1 <1 <1 <1 17 360 1752 59 <1 <1 <1 0873 03/25/2019 <1 <1 <1 <1 16 313 1536 42 <1 <1 <1 0542 02/27/2019 <1 <1 <1 16 1676 52 <1 <1

| SAMPLE     | SAMPLE INFORMATION |              |             |     |                 |                 |  |  |  |  |
|------------|--------------------|--------------|-------------|-----|-----------------|-----------------|--|--|--|--|
| Lab<br>No. | Sample<br>Drawn    | Unit<br>Time | Lube<br>Age | MOU | Filter<br>Chgd. | Lube<br>Service |  |  |  |  |
| 0612       | 07/10/2019         | 34829        | 34829       | HR  | No              | S               |  |  |  |  |
| 1081       | 06/28/2019         | 34541        |             | HR  | No              | S               |  |  |  |  |
| 0741       | 05/17/2019         | 33541        |             | HR  | No              | S               |  |  |  |  |
| 0820       | 04/11/2019         | 32674        |             | HR  | No              | S               |  |  |  |  |
| 0873       | 03/25/2019         | 32272        |             | HR  | No              | S               |  |  |  |  |
| 0542       | 02/27/2019         | 31646        |             | HR  | No              | S               |  |  |  |  |
|            |                    |              |             |     |                 |                 |  |  |  |  |

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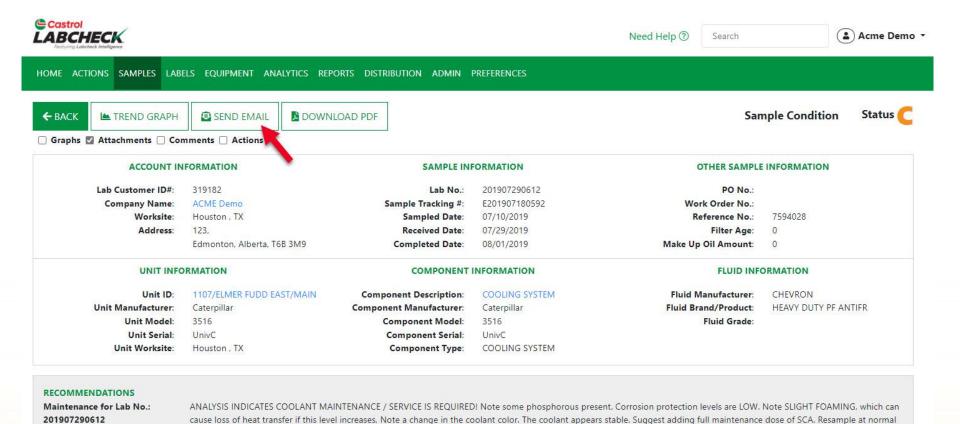
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interval.

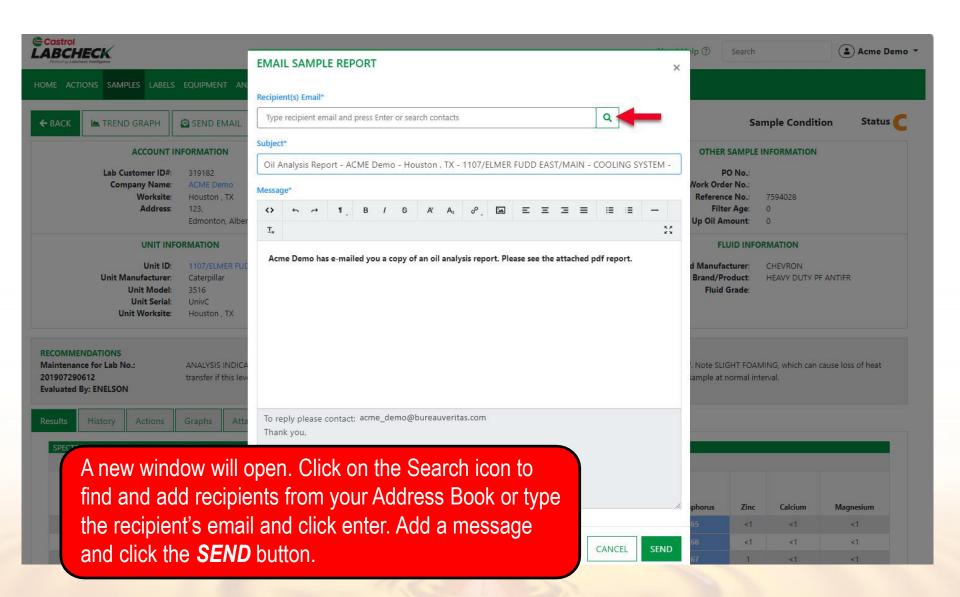




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