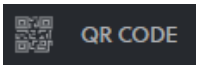
3. Using QR Codes

NOTE: Preferred web browser for optimal performance is **Google Chrome** https://catinspectweb.cat.com

Equipment QR Codes

A QR code is a two-dimensional barcode consisting of a black and white pixel pattern containing data encoded within.

The website used to create the QR Codes for Cat Inspect is via 

- Cat Inspect QR codes are static – they cannot be changed/updated once the digital code is created
- Cat Inspect created QR codes are encrypted for use **only with Cat Inspect application**

Cat Inspect QR codes support:

Consistent and standardized Equipment and Customer Information
Reduction in submission errors
Assist with Equipment, SOS and Site type inspections
Leverage Inspection History

Scanning Inspect QR Codes In-App

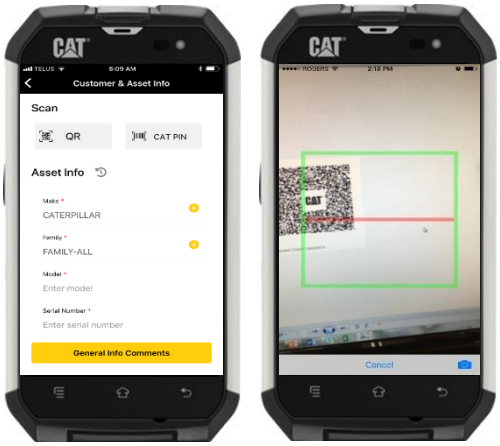
NOTE: 3rd party QR Code Readers **cannot read** Cat Inspect QR Codes.

Within a Form

Login to Cat Inspect app on mobile device:

- Locate/select the form to be completed
- Tap on Customer/Asset Info
- Tap on the 

icon
- Camera will open up
- Frame the QR Code within the frame



- Once the code is successfully scanned, the application will push user into the SMR (Service Meter Reading) field to capture the SMU hours
- Tap Save
- Complete the rest of the Inspection form

To Start an Equipment Inspection with a QR scan

NOTE: Pulling up previous inspections for a given asset only works if inspection history **exists** for the machine. The ability to view previous inspection history for a given asset is only available across **forms of the same name.**

Login to Cat Inspect app on mobile device:

- Tap the QR icon (to scan QR), top right 
- Scan QR
- Search will pull through inspections for that S/N (Asset ID), listing inspections from newest to oldest
- Select the most recent version of that form and tap 'Start Inspection'
    - Previous inspection data for that form will be viewable
    - Tapping 'Previous history' where applicable will open a window in-app of the previous response and any media associated with it
- Perform inspection per normal practices

Placement and Size of Printed or Plated Codes

Preparing the Area: Ensure area is clean, free of debris, and not overly cold to ensure adhesion (if using plated QRs)

Placement:

- Near master switch or on the windshield (without impeding operator visibility)
- In cab or exterior of machine near operator door (easily accessible by inspector)
- Next to a PIN Plate (easily accessible by inspector)
- Attach digital QR code to work order that an inspector will have in the field and/or shop

Size of Printed Codes: keep the QR code to a minimum of 1.5 inches (40mm) tall and maintain the aspect ratio (to ensure readability)

Plated QR Code Installation Guidelines

STEP 1: Clean Surface

It is extremely important that application surfaces are properly cleaned prior to product application. Surfaces may be cleaned with an industrial cleaning solution or isopropyl alcohol. Please read carefully all instructions on the cleaning solution bottle prior to use. All surfaces must be cleaned and completely dried to ensure adequate adhesion. Plastic surfaces should be rubbed vigorously to remove the potential presence of mold release or silicone.

NOTE: A permanent bond cannot be achieved if grease, oil, wax, moisture, silicone, mold release or dirt is present on the application surface. **Both new and used equipment surfaces must be cleaned thoroughly prior to application.**

STEP 2: Handle with Care

The pressure-sensitive adhesive should only be handled by the edges once the protective liner has been removed from the product. Do not touch the exposed adhesive after the backing has been removed from the product. The pressure-sensitive adhesive product should be applied immediately after the liner has been removed.

STEP 3: Bond Product

Apply the pressure-sensitive product firmly to a clean, dry surface. Do not touch the adhesive backing while applying. Use firm thumb pressure over the product surface to release the excess air. Be sure that all edges have a secure bond.

Use a roller to apply and add even pressure when bonding the product to the application surface. When applying metal nameplates, the product should be bonded to a FIRM FLAT SURFACE, typically the outer edge of the equipment.

STEP 4: Storage Information

The pressure-sensitive adhesive used on the plates will retain its adhesive properties longer if stored in a cool, dry place (72°F/22°C or cooler, less than 50% relative humidity), away from direct heat or sunlight. Do not apply plates when temperatures are 50°F/10°C or cooler.

STEP 5: Removal

Removing the plate will require some effort, and best starting from one corner. Removal will likely leave behind some adhesive residue on the surface of the item. An appropriate adhesive remover may be used. DO NOT apply a new label over any adhesive residue, as it will likely result in poor bond and the plate could come off.