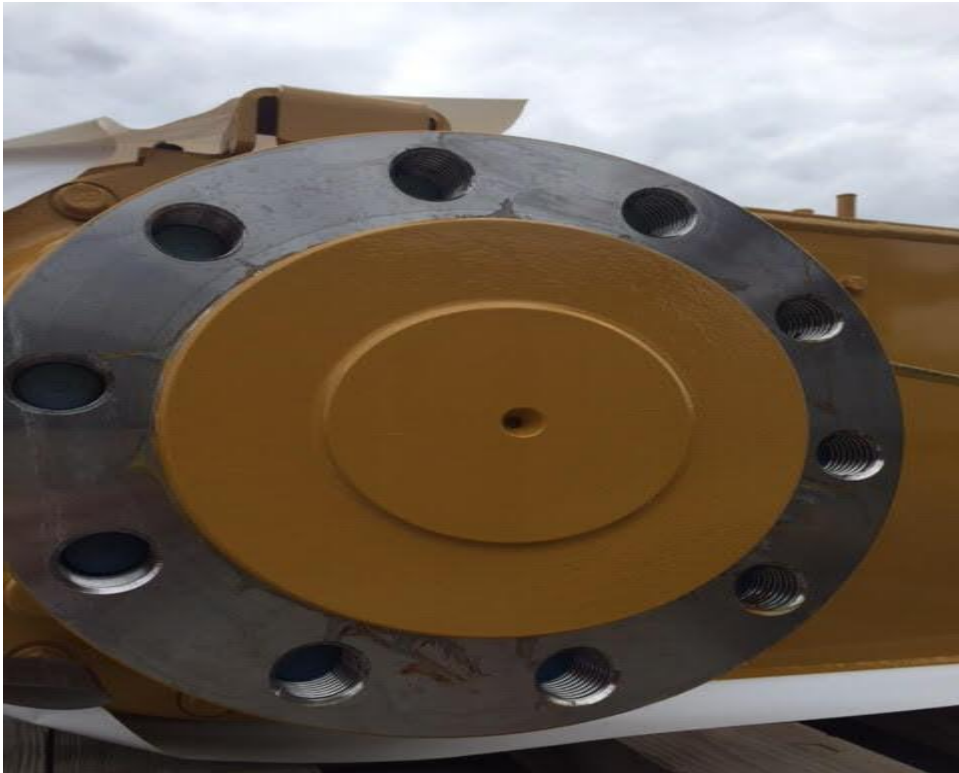


RUST-X VCI Surface Protection Masking Tape

RUST-X
REST WITHOUT RUST



Example of VCI Surface Protection Tape



Product Application Example



Product Application Example



Scope

RUST-X
REST WITHOUT RUST

- ▶ Test the corrosion protection ability of the Rust-X Self Adhesive VCI Foil.
- ▶ Test the ability of the VCI Foil to re-stick multiple times.
- ▶ Test for degradation of the VCI Foil after multiple re-sticks and exposure to the elements.

Trial Method

- ▶ A machined billet surface was cleaned with solvent.
- ▶ A square of self adhesive VCI Foil was stuck to the face of the billet.
- ▶ The billet with VCI Foil was placed outside.
- ▶ The foil was peeled back periodically to test for corrosion underneath and how well the foil re-stuck to the billet.

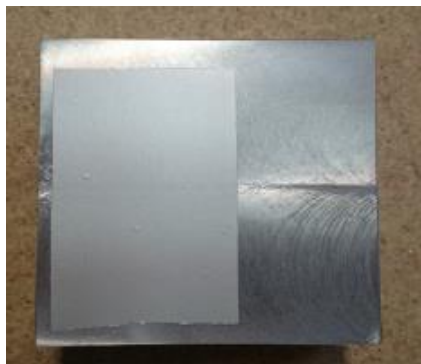
Test Started 15 Dec 2014

RUST-X
REST WITHOUT RUST

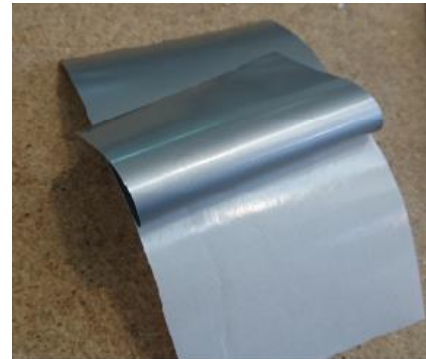
VCI Foil Square



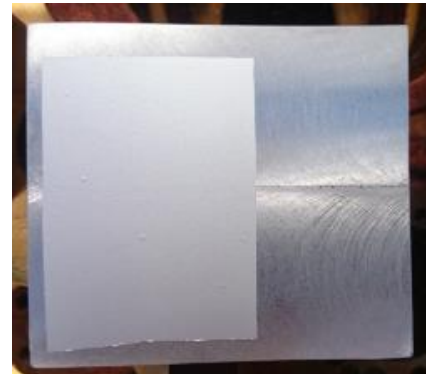
Stuck to billet



Backing removed



Billet placed outside



5 Jan 2015 – 3 Weeks

RUST-X
REST WITHOUT RUST

Billet shows signs of heavy corrosion.



VCI Foil peeled back.

No corrosion under foil.

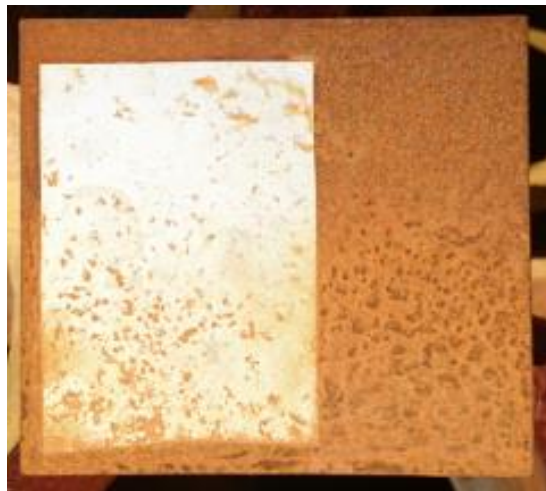
Foil re-stuck down.



29 Jan 2015 – 6 Weeks

RUST-X
REST WITHOUT RUST

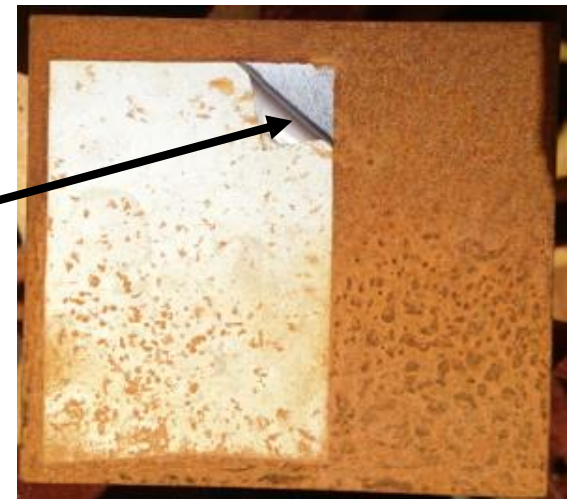
Billet shows
extensive surface
corrosion.



VCI Foil peeled back.

No corrosion under foil.

Foil re-stuck down.



2 Mar 2015 – 11 Weeks

RUST-X
REST WITHOUT RUST

Billet shows
extensive surface
corrosion.

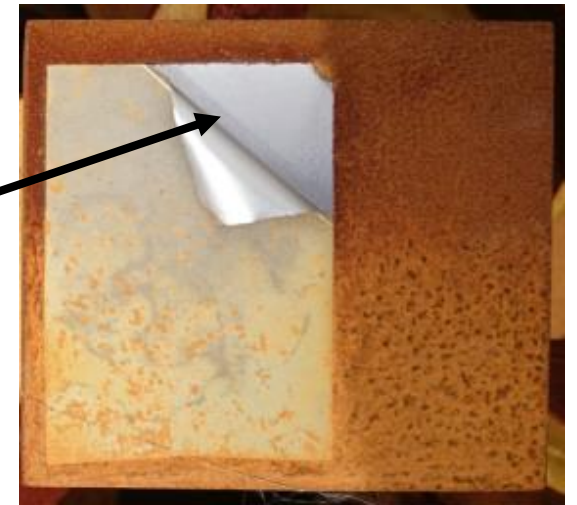


VCI Foil peeled back.

No corrosion under foil.

Foil re-stuck down.

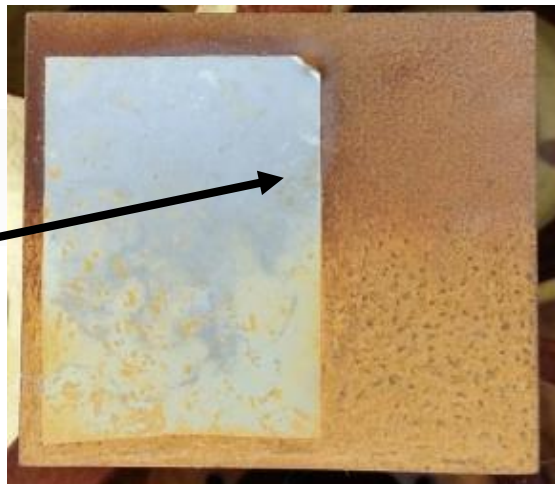
Slight corrosion near
corner of foil.



11 Mar 2015 – 12 Weeks

RUST-X
REST WITHOUT RUST

Billet shows
extensive surface
corrosion.



VCI Foil peeled back.
No corrosion under foil.
Foil re-stuck down.
Slight corrosion near
corner of foil.



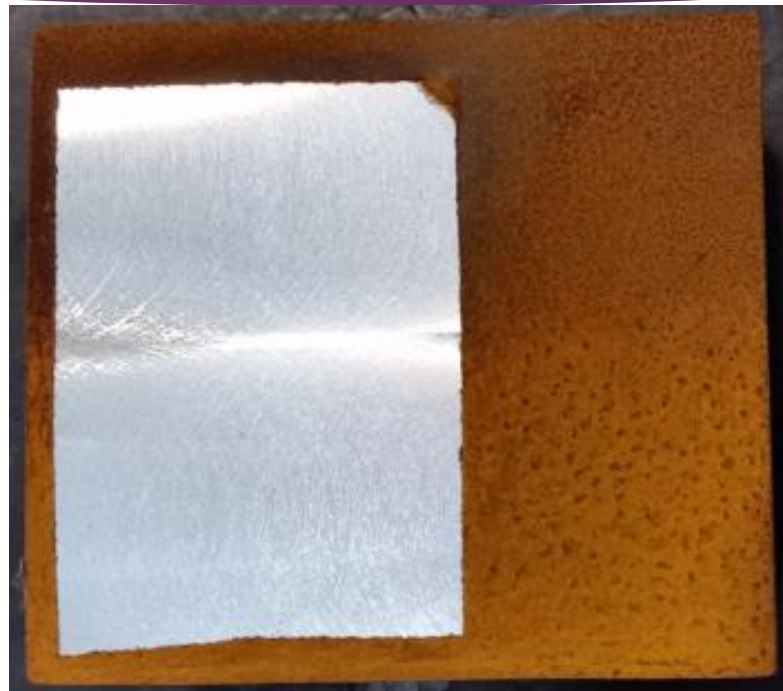
11 Mar 2015 – 12 Weeks Removal of Foil

RUST-X
REST WITHOUT RUST

Foil removed
completely.

Protected surface is
clean and unchanged
from original surface.

Machining marks can
still be seen on the
protected surface.

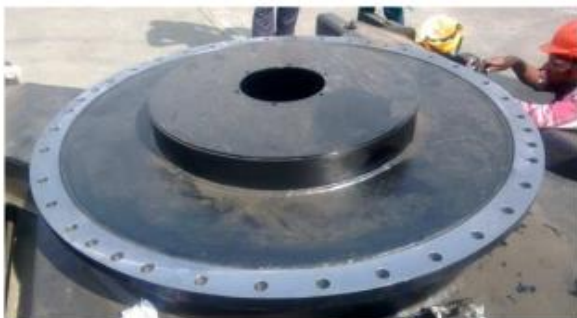


Area under the FOIL

100% as original
without any signs of
RUST after 3 Months
of Exposure to
Rainfall, Sea
humidity etc.

Examples

Before



After



Closer look @ ring



Closer look @ motor bracket



§ Lesson's Learned:

Results

RUST-X
REST WITHOUT RUST

- ▶ Rust-X VCI Foil has effectively protected the billet surface from corrosion.
- ▶ The protected surface appears in as good a condition as it was at the beginning of the trial.
- ▶ The general “re-stickability” of the foil appears to be very good and still able to re-stick after being pulled back 4 times in 12 weeks.
- ▶ The VCI foil was still in good condition after 12 weeks with a slight loss of adhesiveness at the corner due to being in contact with fingers as it was pulled back multiple times.
- ▶ The removed foil could be re-applied to the surface with very good re-adherence.