



Stafford and Districts
Amateur Radio Society

TRUST me, we can get rid of it



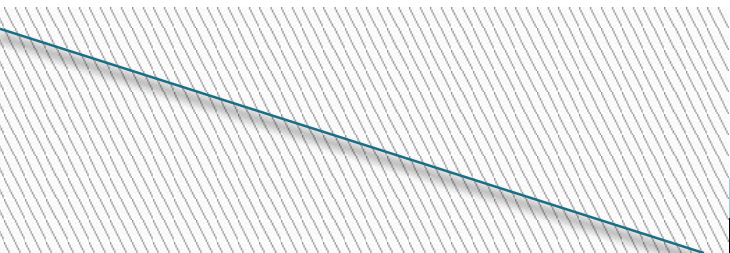


1976

Rust

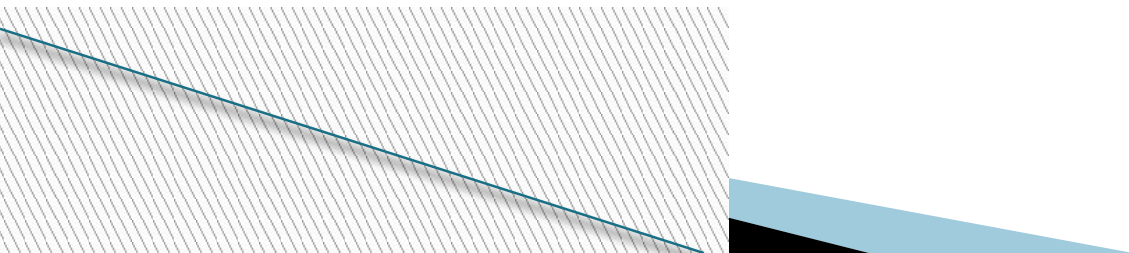
- ▶ Iron
- ▶ Water
- ▶ Oxygen

- ▶ Salt
- ▶ Heat (Summer damp rust peril)



Rust Removal

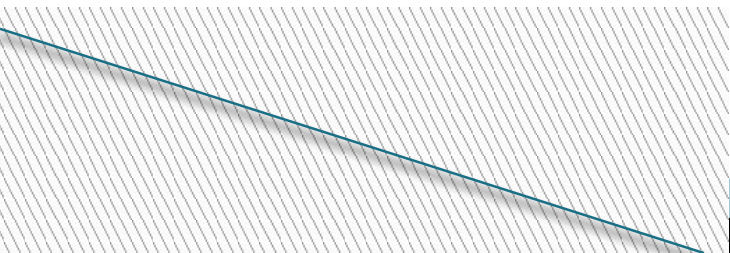
- ▶ Abrasion
- ▶ Media blasting
- ▶ Chemical conversion
- ▶ Chemical dissolution



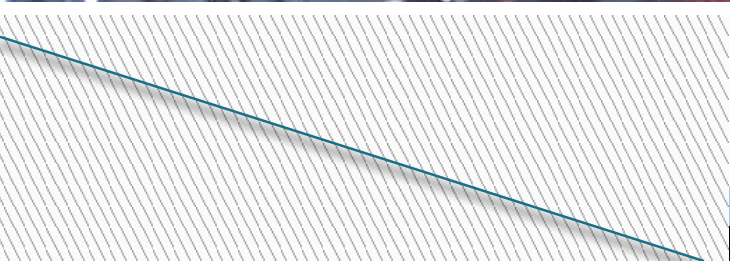
Nick's Third Law

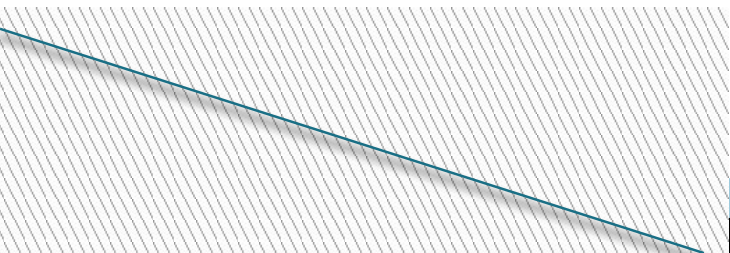
- ▶ “The only way to stop rust is to get rid of it”
 - Nick Barnes Circa 1976

- ▶ I believe we have discovered the Holy Grail of rust removal



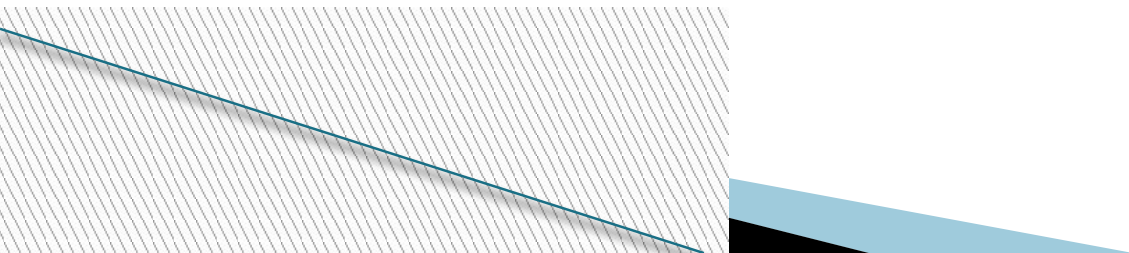






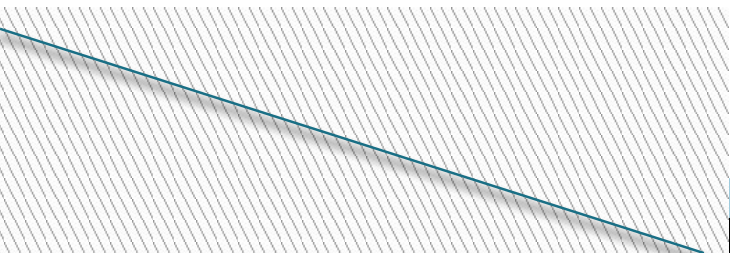
Chemicals

- ▶ Acid e.g. Hydrochloric acid
 - Effective but very acidic
 - Burns humans, clothes and dissolves base metal
 - Damages sinks and taps



Chemicals

- ▶ Phosphoric acid
 - Many products– Jenolite
 - Convert and dissolve rust



-
- A claw machine with a silver metal claw and a yellow cord, suspended in the air above a collection of colorful stuffed toys and small plastic cars.

6

google.com/search?q=rust+convertor&sca_esv=2ac96987daa6f6a8&rlz=1C1PRFI_enGB814GB814&sxsrf=AE3TifOAJJNQ4T_xY...

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ABP

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New Chrome a

ts930 » k8gu.com

TS770 restore repair...

Marconi 2022C - St...

TEKTRONIX_2465b_...

PRACTICAL WIRELE...

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rust convertor

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AI Mode

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Rustins Rust Converter 250...

£12.28

Toolstation

5% off on...

By Producthero



Hammerite One Coat Kurust...

£10.99

Zoro UK

+£4.99 delivery

★★★★★ (790)

By Cobi



Lanoguard Moto Spray Top Up -...

£58.99

Lanoguard

+£5.95 delivery

★★★★★ (1k+)

By Google



Collect tomo...

Zep Rust Converter 100...

£7.49

Screwfix.com

30-day returns

By Klama



Flag Rust Converter - 1 Ltr

£21.99

paints4trade

+£6.99 delivery

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Crc Water Based Rust Remover ...

£35.99

Zoro UK

Free delivery

★★★★★ (138)

By Cobi



SALE

CRC Evapo-Rust Rust Remover 5L

£42.48 £50

Toolstation

🚚 Free by 11/08

5% off on...

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Jenolite Original Rust Remover...

£99.99

jenolite.com

Free delivery

★★★★★ (260)

By Google

Wikipedia

06:41

07/08/2025



EVAPO-RUST CRC 33400-AA Rust Remover 5L

Brand: Evapo-Rust

4.5 ★★★★★ ✓ 236 ratings

100+ bought in past month

£36⁹⁹ (£7.40 / l)

Get a £20 Amazon Gift Card if approved for The Amazon Barclaycard. [Learn more.](#)

Representative 28.9% APR variable. Credit broker: Amazon EU S.A.R.L. Lender: Barclays. T&Cs apply.

Brand	Evapo-Rust
Item form	Liquid
Scent	Unscented
Specific uses for product	Industrial Machinery
Material feature	Recycled
Item volume	5 Litres

✓ [See more](#)

About this item

- Quality/Durability

One-tin
£36⁹⁹

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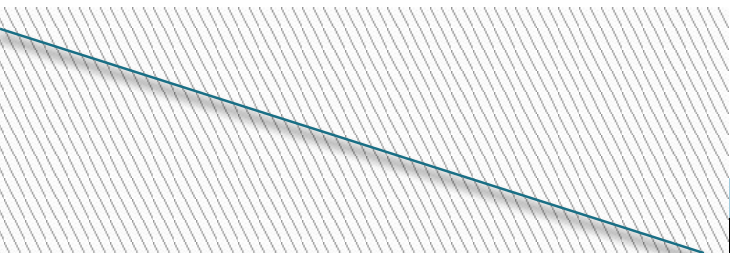


Dunking Our Rusty 1986 Range Rover Chassis in 1335 Litres of Evapo-Rust



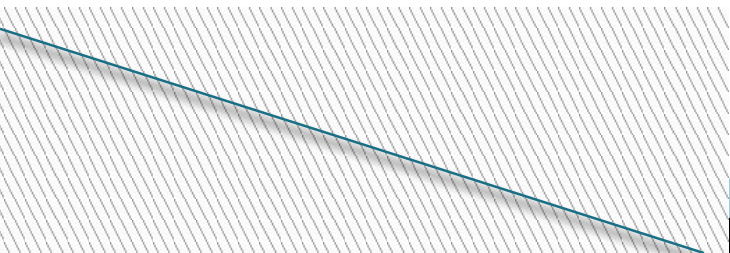
MORE VIDEOS

£14,000 !!



The Ideal Solution

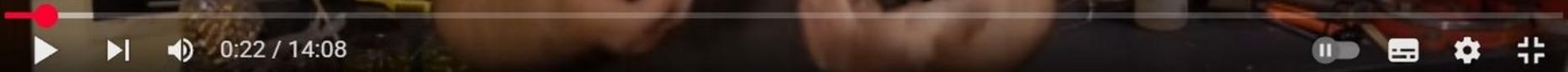
- ▶ Effective
- ▶ Safe, Relatively non toxic
- ▶ Easy to find constituents
- ▶ Easy to make
- ▶ Easy disposal
- ▶ Minimal effect on base metal
- ▶ Cheap



The Ultimate HOMEMADE Rust Remover (Better than EvapoRust)

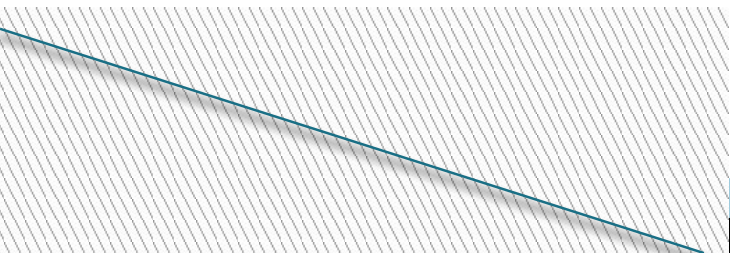


04:03



“If it sounds too good to be true it probably isn't.”

► Well, this is



For 1 liter of water and 100 grams of citric acid,



Sodium Carbonate
(Washing soda)

40 grams

or



Sodium Bicarbonate
(Baking soda)

63 grams

or



Sodium Hydroxide
(Caustic soda)

30 grams

▶ ⏮ 🔊 4:12 / 14:08

⏸ 📺 ⚙️ ⛶

<https://www.youtube.com/watch?v=fVYZmeReKKY>

Costs (for 50 litres)

- ▶ Citric acid £12.60 for 5Kg
- ▶ Washing Soda (Tesco) £4.00 for 2Kg
- ▶ Detergent
- ▶ £16.60 (£0.33/L)

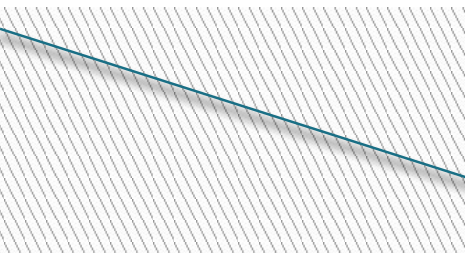
- ▶ Amazon £370.00 (£7.40/L)
- ▶ Wickes £1000.00 (20.00/L)

Results

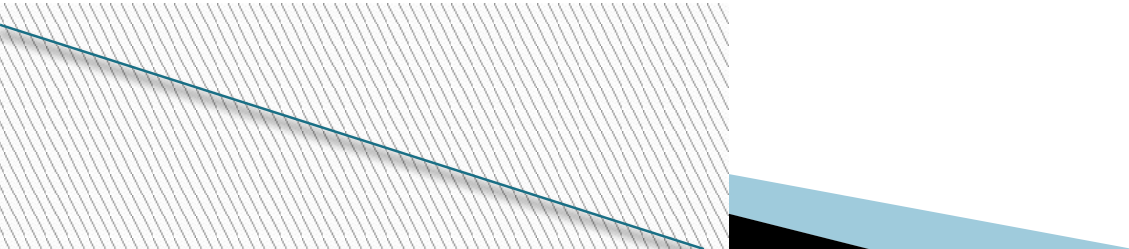








Summary

- ▶ It works
 - ▶ Safe, Non toxic
 - ▶ Easy disposal
 - ▶ Available ingredients
 - ▶ Simple to make
 - ▶ Cheap
- 

- Ebay link to citric acid
- https://www.ebay.co.uk/itm/176247216476?_skw=citric+acid&itm_meta=01K4A0AE5Z2H1D5P3E1GC63GAN&hash=item290927195c%3A%3A0vcAAOSwhfJlvrYG&var=475711994495
- YouTube link to video
- <https://www.youtube.com/watch?v=fVYZmeReKKY>