CHESTERTON
Global Solutions, Local Service.

Flange Bolts

Chesterton Lubricants/MRO Chemicals

API, HPI, CPI
Product: Chesterton 723 Sprasolvo®
Case Study 008 LMRO

Challenge

Goal

Find new solution for removing threaded assemblies.

Background

- A petroleum refinery was having difficulty removing threaded assemblies from reactors, cracking units and flanged connections following 2 years in service.
- Several penetrating oils were tried but none proved effective.
- Torch cutting was dangerous and required permits.

Solution

Product

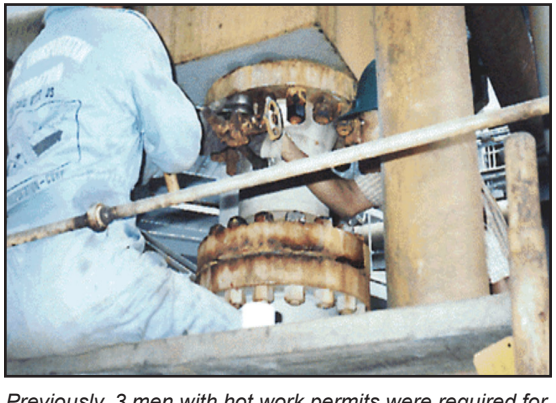
A small amount of **Chesterton 723™ Sprasolvo®** was applied and allowed to penetrate the nuts and bolts for ten minutes. All of the bolts were then removed easily.

- The customer finds this solution quicker, safer, and more cost-effective than cutting the bolts.

Results

- **Chesterton 723 Sprasolvo®** out performed all of the competitive products.
- **Chesterton 723 Sprasolvo®** has eliminated the need for torch cutting.
- This lubricant has been added to the stock supply system and is now standardized at the refinery.

Downtime and loss of production was a critical concern for the customer.



Previously, 3 men with hot work permits were required for 6 hours to disassemble flange bolts.

Two men easily remove flange bolts in 2 hours with Chesterton 723 Sprasolvo®.

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