CASE STUDY

Greener and Cleaner: How this Oilfield Service Company Replaced a Toxic Degreaser with a Green Alternative and Improved Performance

CHALLENGES

When applied, the competitor's degreaser had a strong chemical odour, resulting in poor air quality and health effects for wash bay staff. The SDS identified harmful ingredients listed on the CEPA Toxic list. These issues prompted this oilfield service company to seek a new degreaser to remove oilfield residues without the negative health effects.

SOLUTIONS

Guardian Chemicals product, Breakaway was introduced for testing. Side-by-side performance tests were performed on an oilfield service rig. Testing showed Breakaway eliminated noxious odours and improved perfomance.

RESULTS

No More Unpleasant or Noxious Odours

With its combination of natural and low-odour petroleum solvents, Breakaway eliminated odour issues and improved air quality.

Chemical Use Reduced by 84.8%

Only 15.2 Litres of Breakaway was used in the test compared to 100 Litres of the competitive product—an 84.8% reduction in chemical use. For more difficult deposits, an estimated 50% reduction in chemical use was observed.

Costs Reduced by a Minimum of 29.8%

Where 50% reduction in chemical use was observed, chemical cleaning costs were reduced by 29.8% compared to the competitive product.

AT A GLANCE

This oilfield service company wanted to find a replacement for a toxic degreaser. The strong odour was causing air quality issues and affecting staff working in the wash bay. Breakaway was selected as a replacement. It improved cleaning, reduced chemical usage, and reduced chemical costs.

KEY METRICS

ONE-PRODUCT
SOLUTION

REDUCED
CHEMICAL USE

29.8% DROP
MINIMUM DROP IN CHEMICAL COST*

*Based on 50% overall reduction in chemical use.

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DATA

Before with initial product application, then after pictures with water rinse. Breakaway outperforms the competitive product, removing oil residue from wash bay walls.

Half of oil rig was cleaned with the competitive product, the other half with Breakaway.