



GB UNIGREASE® CW5, a bespoke 5th wheel grease formulated with calcium and solid additives to combat incursions of water and dirt whilst providing excellent extreme pressure properties.

## CHALLENGE:

*A customer reported excessive wear on 5th wheels due to poorly performing grease, requiring a better-performing product for arduous conditions.*

- The competitor-made lithium-thickened grease that the customer was using performed poorly in wet and dusty conditions, and could be easily washed out, leading to no lubrication and excessive friction.
- This issue presented itself in a customer's articulated trucks' 5th wheel and led to failure under heavy loads, with the component needing to be replaced, which was both expensive and time consuming.

## SOLUTION:

*Develop a grease combining thickener system and performance additives that have excellent water washout, heavy load and adhesive properties.*

- GB Lubricants must formulate a calcium-thickened grease with graphite solid lubricant additives will achieve the desired effects.
- This will give the product superior water-washout properties, allowing for longer intervals between lubricant application and higher shock load resistance, protecting components from increased levels of wear.

## OUTCOME:

*New calcium-thickened grease has superior performance, leading to appropriate lubrication and extended component life.*

- Water-washout resistance and adhesive properties help to protect components from corrosion whilst ensuring sufficient lubrication levels are achieved.
- High quantities of solid additives offer greater protection against heavy loads, helping to extend the life of 5th wheels and other components.

## VALUE:

*GB Unigrease® CW5 improved water-washout performance and adhesive properties leads to longer lubricant application intervals and ensures adequate lubrication, leading to savings on grease and less downtime due to maintenance, whilst inhibiting corrosion. Greater shock-load properties will improve resistance to heavy forces and reduce the likelihood of component failure, further reducing possible additional costs and lengthy downtime.*

## GB Unigrease® CW5

### Bespoke Heavy-Load 5th Wheel Grease

- Formulated for use in articulated trucks' 5th wheels, trailer slides and locating pins, and any applications where low-speeds and heavy loads would be present.
- Calcium-thickener and solid additives provide extreme pressure, anti-wear and corrosion inhibiting properties.
- Excellent mechanical stability extends relubrication intervals, leading to less downtime



#### AVAILABLE PACK SIZES:

- 400g Cartridge
- 12.5kg keg
- 18kg keg
- 50kg keg
- 180kg barrel

