## ArmaKleen Technical Service Report Summary

- Cleaning Trial Type: Aqueous
- **Industry:** Plant sterol production
- Segment: 29 Mfg Miscellaneous
- Soil: baked on tall oil (tree sap)
- Substrate: Steel
- Description of Part(s): Five steel bolts with steel washers

**Customer objective:** The customer was looking to improve their cleaning performance.

**Cleaner used:** 

- 10% by volume solution of ArmaKleen<sup>™</sup> M-100 BCR
- 5% by volume solution of ArmaKleen<sup>™</sup> 4 in 1 Cleaner

Machine used: Spray Washer (JRI TL3, JRI FL250, JRI FL500, Better Engineering G-2000

Temperature used: 160°F

Time required: 1 hour

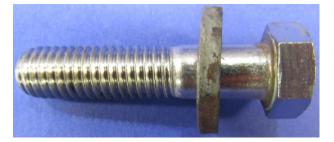
**Post Cleaning:** Fresh water rinse and air pressure dried. *Several areas of the threaded bolt were lightly brushed with a stainless steel bristle brush during the fresh water rinse.* 

**Recommendation to Customer:** The ArmaKleen Technical Center recommends using a 10% by volume solution of ArmaKleen<sup>™</sup> M-100 BCR at 160°F in a Spray Washer or a 5% by volume solution of ArmaKleen<sup>™</sup> 4 in 1 Cleaner at 160°F in a Spray Washer for a minimum of 1 hour.

## **Before Picture**

## **After Picture**





Source: TSR #17-A-094