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## Client

### Purpose

Find the best cleaner to remove the Stewart Oil from the Oil Pan and also give a 7 day Rust Inhibition.



Sample 1,2



Sample 3



Sample 4,5

### Background

<b>Name of part</b>	<b>Oil Pan</b>
<b>Material of part</b>	<b>Hot rolled Steel</b>
<b>Typed of contaminant</b>	<b>Stewart Oil</b>
<b>Production Rate</b>	<b>1800 per day</b>
<b>Cleanliness Specifications</b>	<b>Oil Free</b>
<b>Subsequent Process</b>	<b>Weld than paint</b>
<b>Dryness / Rust Inhibition Requirement</b>	<b>Dry / 7 day rust inhibition</b>
<b>Temperature Requirements</b>	<b>160°</b>

## Procedure



Based on the background information and our past experiences we were able to narrow it down to three different types of cleaners that would be suitable for the given application. From this we ran tests with the oil samples from your plant.

## Conclusion

After examining the results of the tests, Hurriclean 8019 was found to be the most efficient cleaner that would still allow for the 7 day rust inhibition. This product will also allow for a surface that will accept welding and painting.