

Case Study

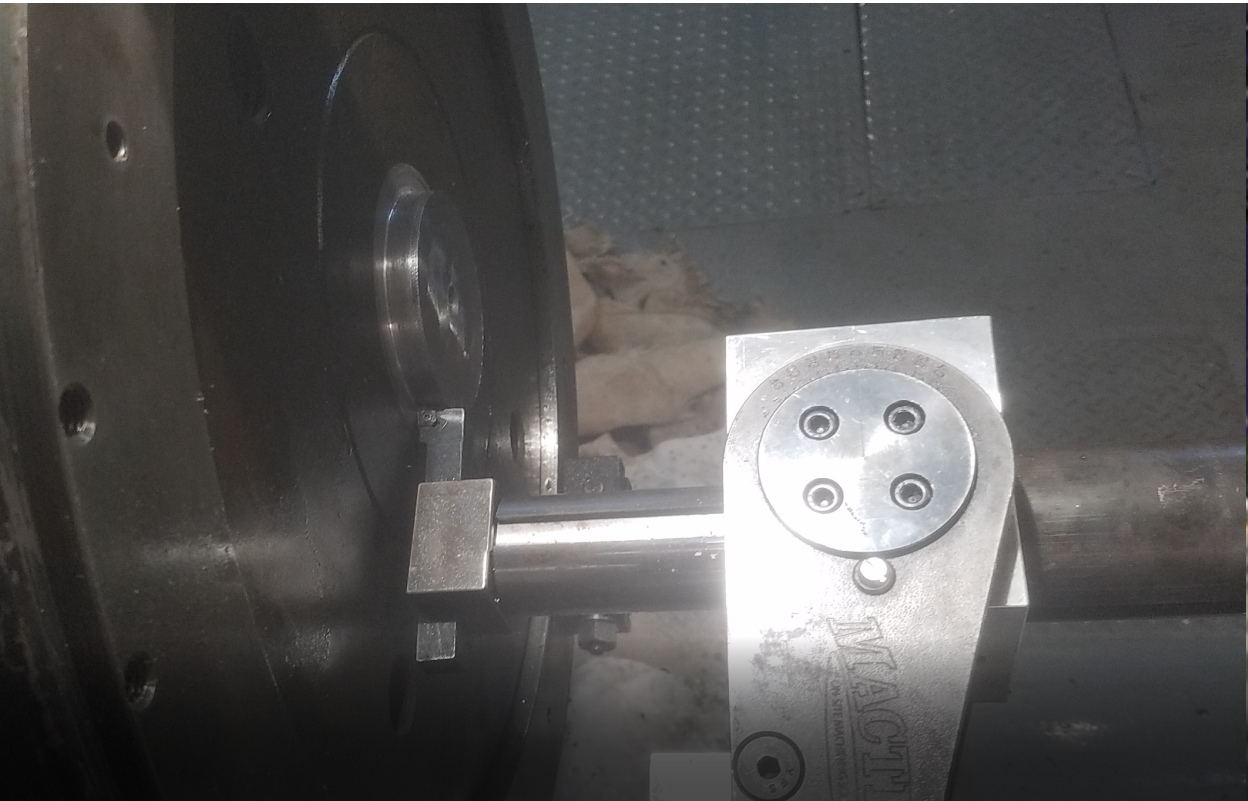
MACHINE REVERSE
PINION STUB SHAFT

Project Description

Machine Reverse Pinion Stub Shaft on center drive gear box and avoid disassembly of the gear box

Mactech's Role in the Project

Machined off 3.00" of length from the stub shaft and turned the remaining part of the shaft for a 3.00" bearing fit removing approximately .250" on the diameter



Mactech's Value Added to the Project

We had the experience and equipment to perform the modification without disassembling the gear box.

Confidence of the customer from past experiences of solution based machining.

Alternative Methods to Mactech's Solution

The only option was to disassemble the gear box and transport to a machine shop. Would have cost customer

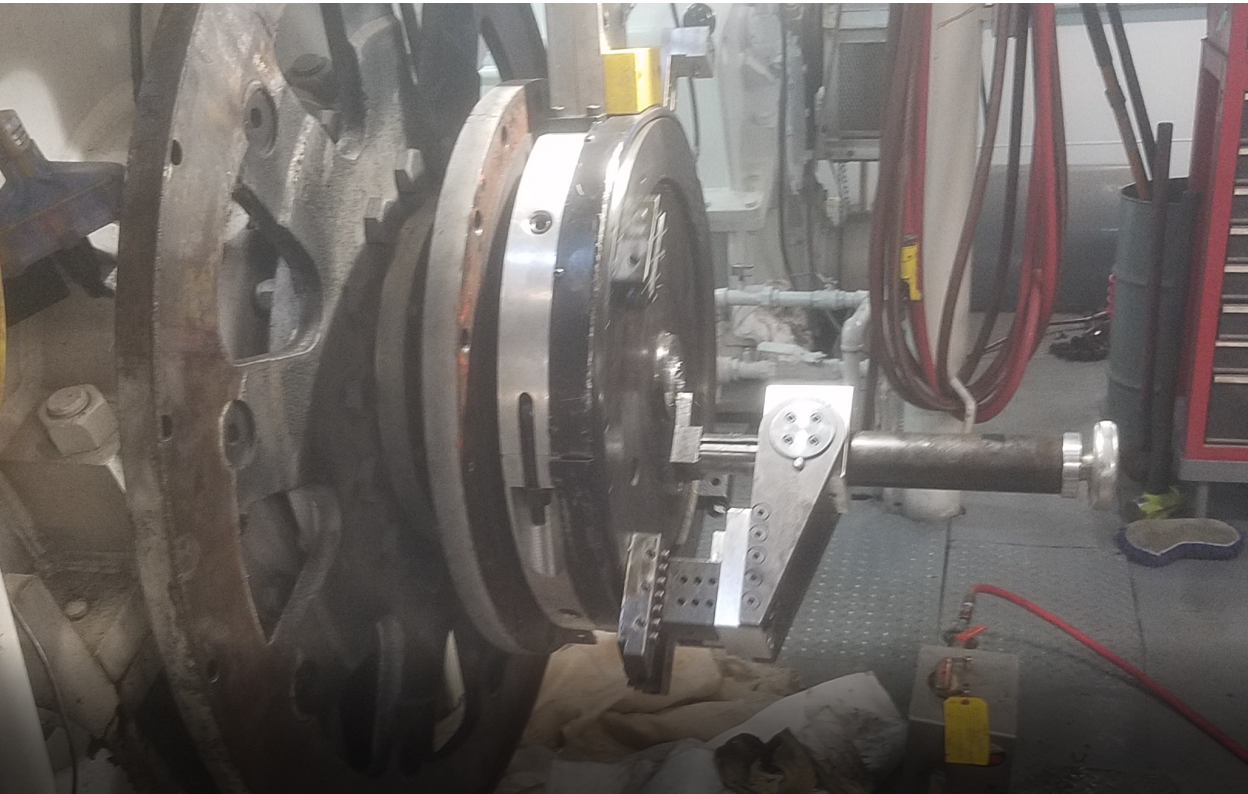
Over \$50,000.00. We set up and performed machine work in place for under \$5,000.00.

Steps Taken to Complete the Job

1. Applied proper equipment and performed tooling modifications.
2. Machined shaft complete and drilled/tapped 3 holes in the end of the stub shaft
3. Worked with mechanical group to ensure proper fit during assembly

Project Challenges

Set-up on 14.00" diameter and part off 3.00" diameter stub shaft. Used standard equipment with modified tooling



Equipment Used



- 814 clamshell
- counterbore attachment
- rack drill

Useful Job Statistics



- Parted off 3.00" off stub shaft
- machined .250" from remaining stub shaft
- Drilled/tapped (3) 7/16" holes for bearing assembly

Results



Project was completed on time and saved the customer several thousand dollars --- very happy customer



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Mactech is the leading global provider of machining tools, technologies and on-site solutions for the industrial machining industry.

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tools AND technicians tailored to meet the needs of the industry

WE ARE

adaptable for *any* circumstance

WE FOLLOW

a “Solutions” approach

WE CREATE

quality, reliability, innovation



EXPERIENCE

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OEM of equipment Well maintained inventory



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24/7 - 365 Support Systems and processes adaptable to customer



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Talented techs with a wide array of field machining experience



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