

# **8650 & 8850**

**Kinze Repower gear box  
build instructions**

# STEP 1

Parts Layout: Lay out all the parts required to build an 8650 or 8850 gear box



# STEP 2

## Clean Gear Box Thoroughly

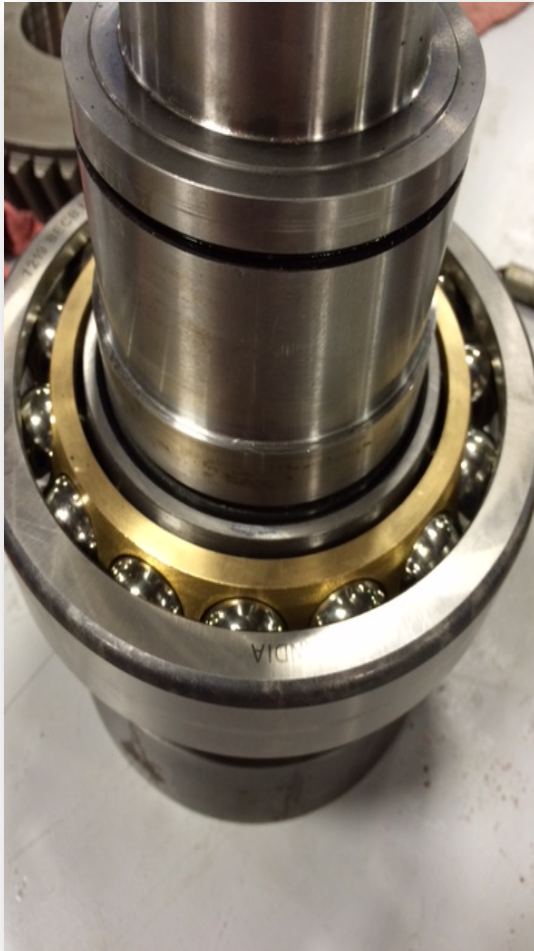
- New Gear Box front
- New Gear Box back





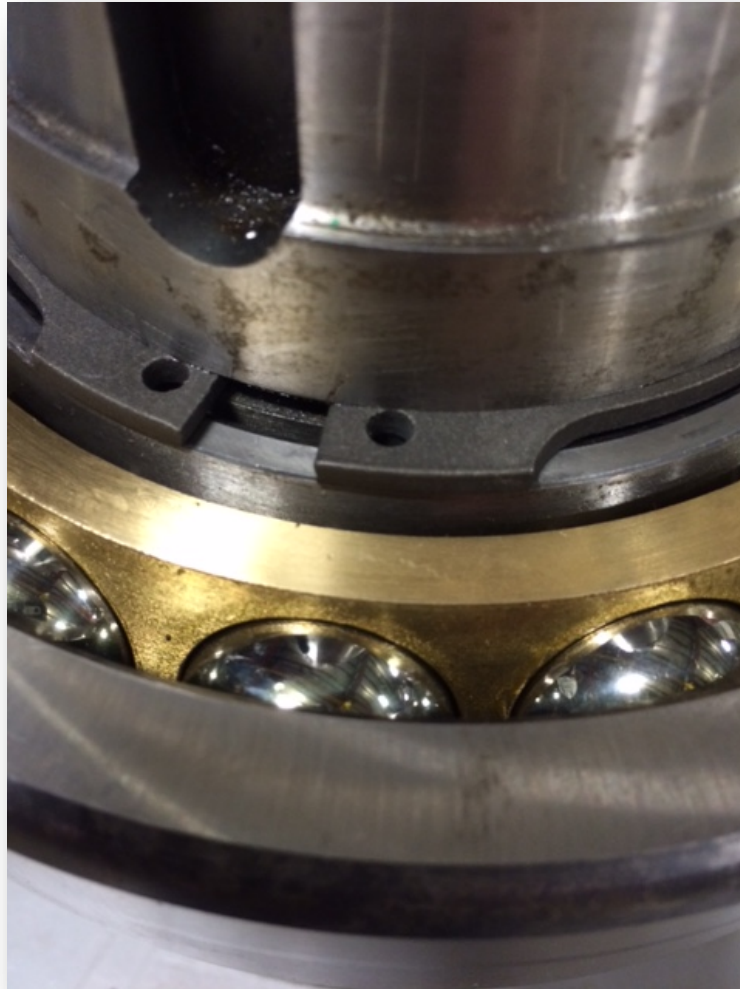
# STEP 3

- Orientate the bearing on the shaft
- Press the bearing onto the shaft until fully seated



# STEP 4

Install snap ring above bearing



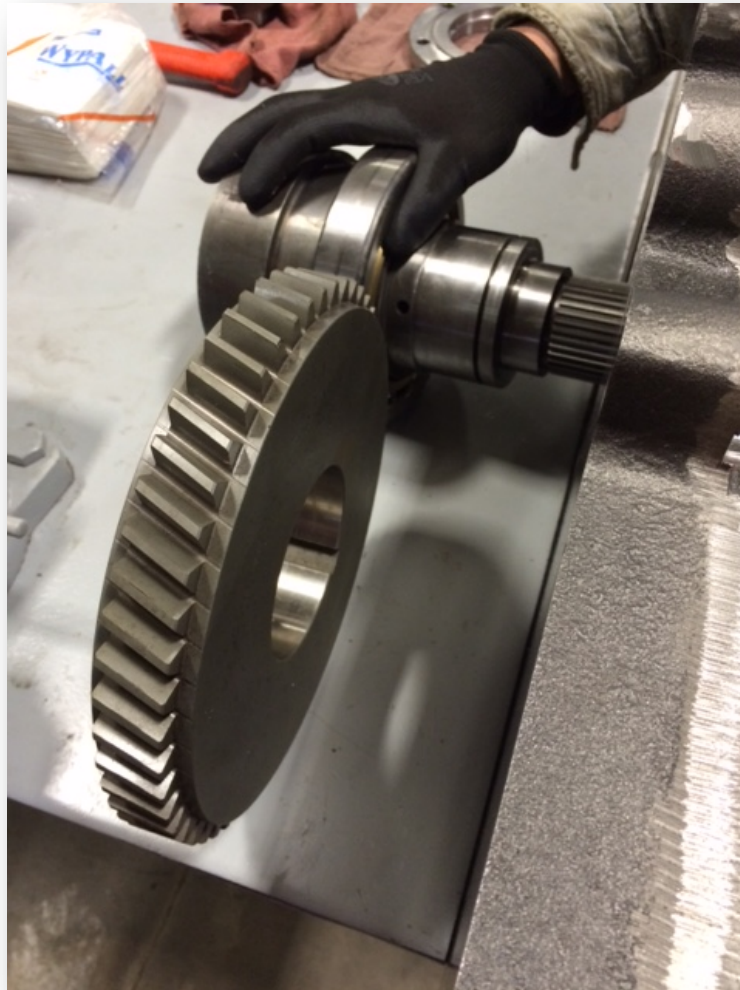
# STEP 5

Test fit lower gear onto the lower shaft



# STEP 6

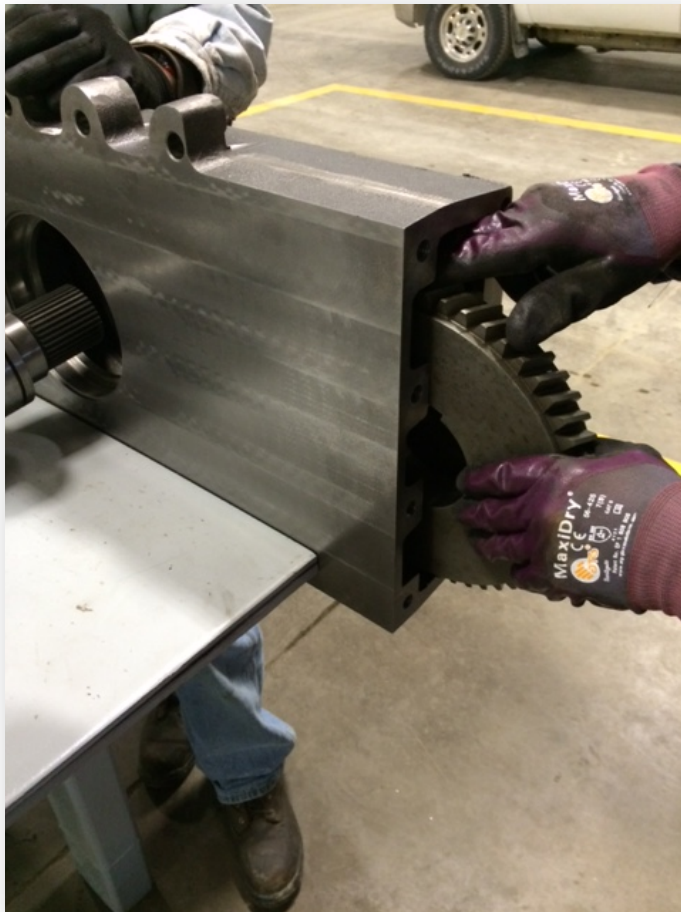
Make sure the lower gear is set the correct direction





# STEP 7

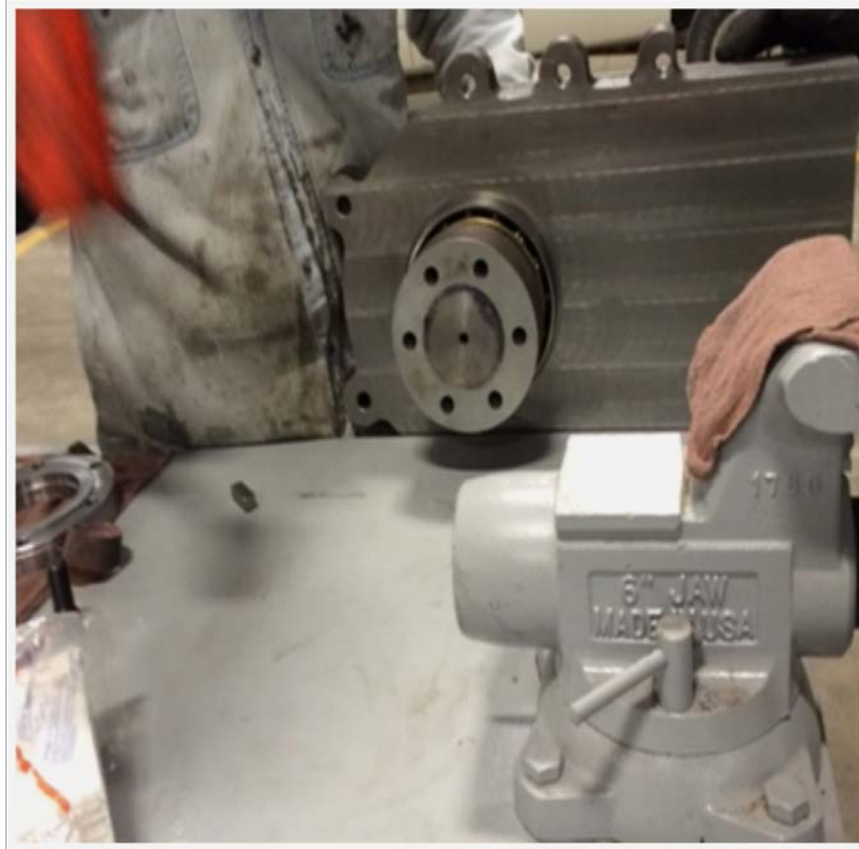
- Insert lower shaft and push the shaft through the gear
- Use a small pry bar to align the shaft and gear





# STEP 8

Drive lower shaft into case housing (use a soft hammer)



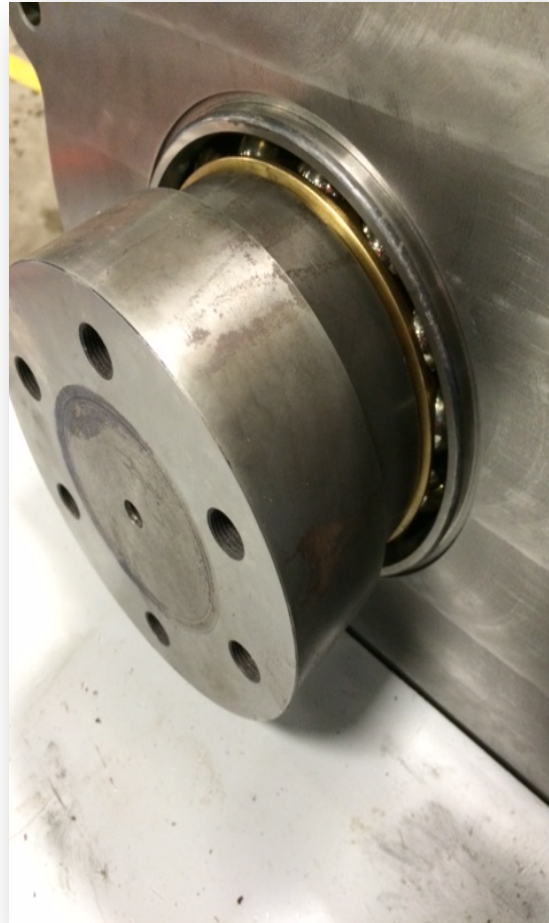
# STEP 9

Fully seat the bearing to the gear box



# STEP 10

Lower rear bearing fully seated





# STEP 11

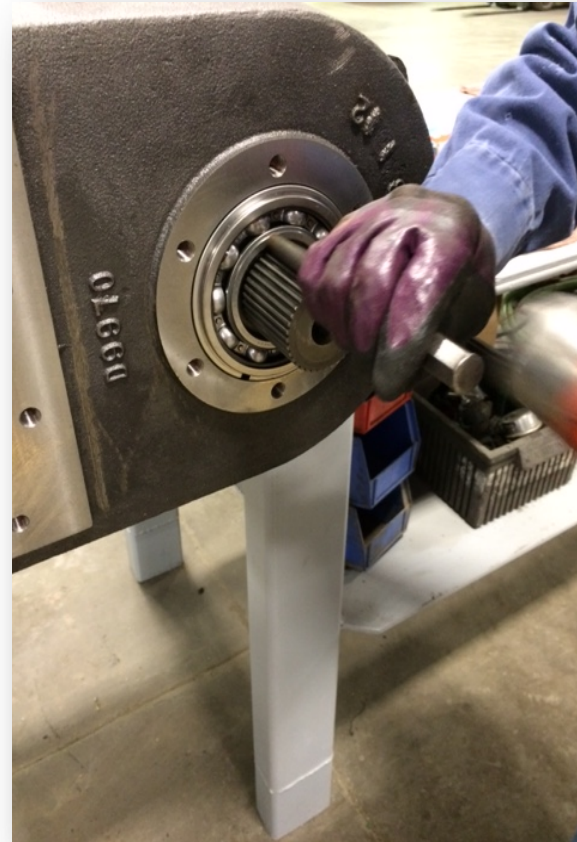
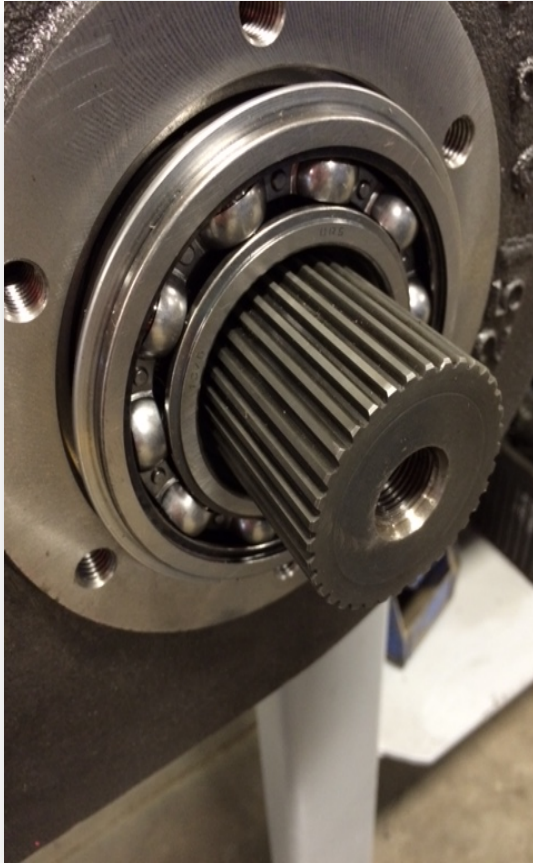
## Insert Key Stock

- If required, shave the key stock to fit
- Drive in the key stock with a punch and insert snap ring



# STEP 12

Install outer bearing on lower shaft





# STEP 13

Insert seal in shaft plate





# STEP 14

Install lower shaft cover plate o-ring



# STEP 15

Apply grease to the lower shaft cover plate

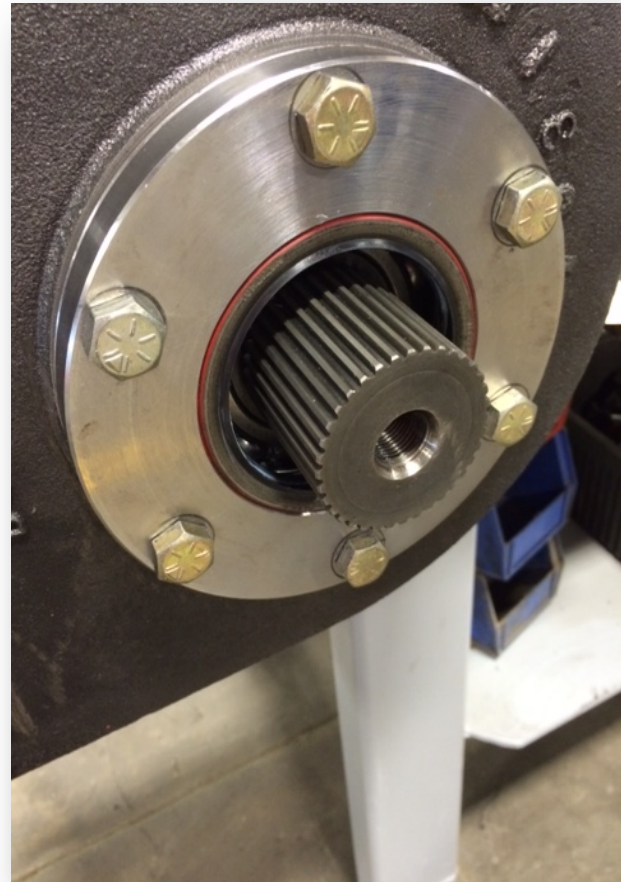


# STEP 16

- Apply blue Locktite



- Install the shaft cover





# STEP 17

- Install yolk on lower shaft and insert o-ring

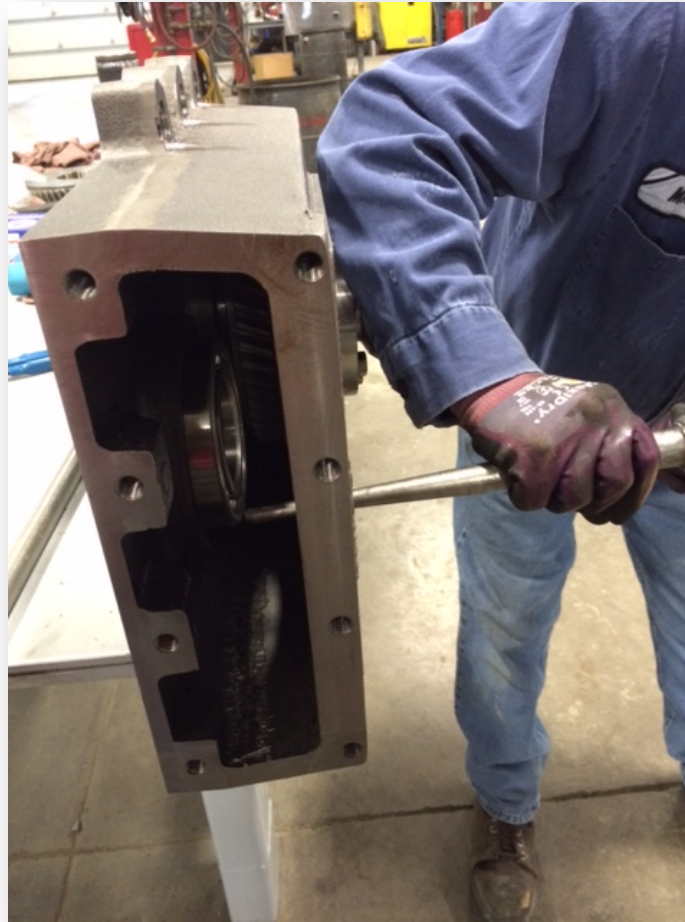


- Attach o-ring plate and bolt



# STEP 18

Install rear bearing in gearbox, if required



# STEP 19

Place top gear in gear box. Note the left upper pitch to the gear direction





# STEP 20

Align the key way to the top dead center position



# STEP 21

- Install splined coupler

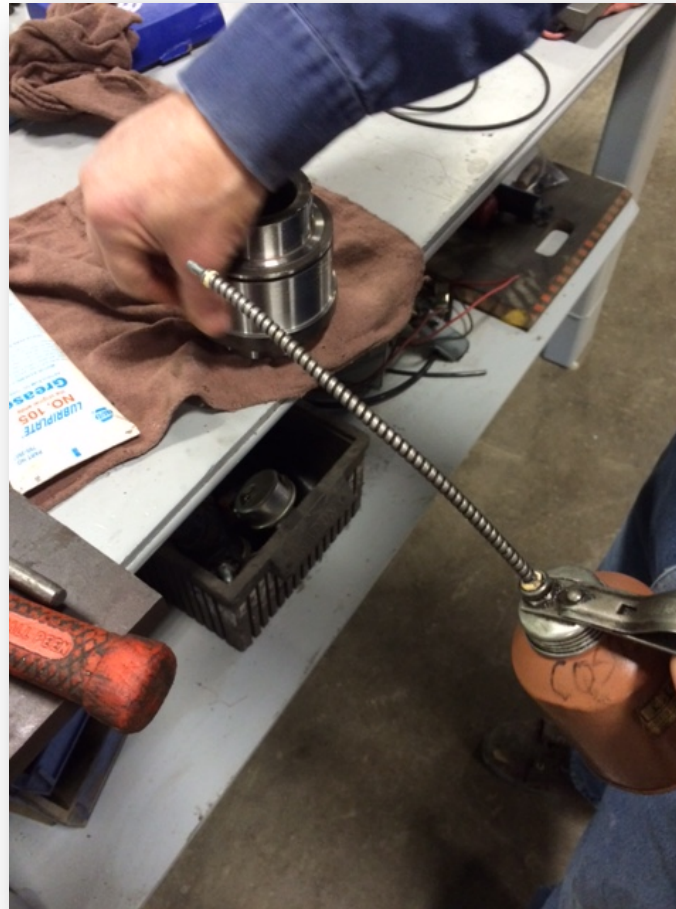


- Install spiral retaining ring



# STEP 22

Apply lubricating oil to the gear coupler





# STEP 23

Insert coupler housing into gear and install key stock



# STEP 24

Slide the coupler housing through the gear and snap ring



# STEP 25

Slowly rotate the shaft to seat the snap ring in place on the shaft





# STEP 26

Install outer bearing



# STEP 27

- Install pump mounting plate and o-ring
- Apply grease



# STEP 28

Install hydraulic pump cover





# STEP 29

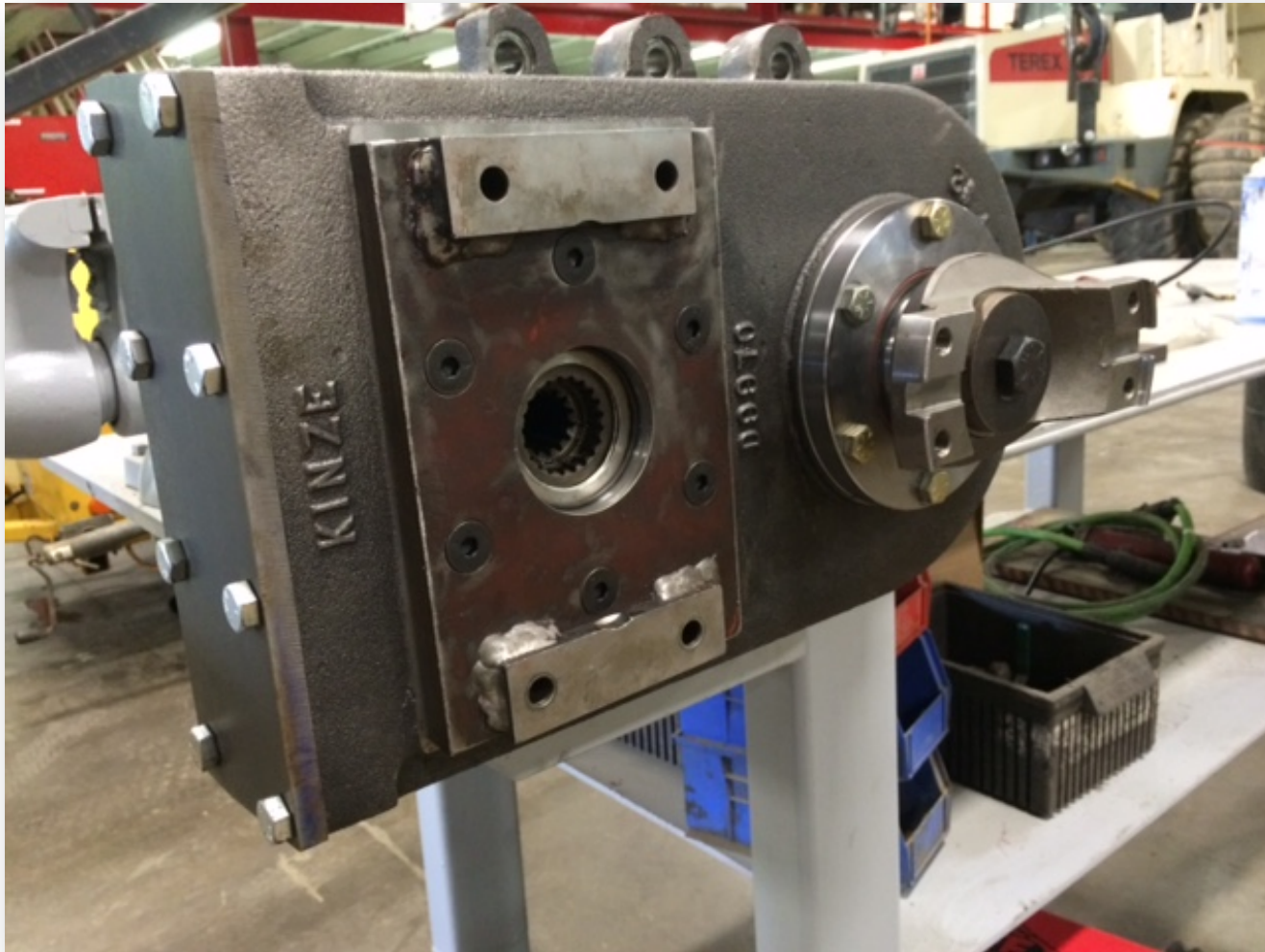
- Apply sealant



- Install top plate



# FINISHED GEAR BOX



**KINZE**®