



In 2012, Republic Diesel acquired Tri-State Machine, bringing Republic full circle back to its founding roots as Republic Machine in 1911 by re-establishing the company in the undercarriage market. Tri-State Machine has specialized in undercarriage, final drives, and roller frame repair since 1990. Our 45,000 square foot building located in Harrogate Tennessee ensures a turn around time that will get your equipment back to work fast. Our knowledgeable employees make the most of your undercarriage investment by minimizing downtime. You can count on Tri-State Machine for quality repairs and a large inventory of completed parts for sale, outright or exchange. Whatever application, mining or industrial, Republic Diesel and Tri-State Machine are working hard to keep you moving! Contact us today to learn more...



Visit us on the Web at
republicdiesel.com



Kentucky

Louisville, KY
305 East College Street
Louisville, KY 40203
502-561-2201

Paintsville, KY
606-226-1122

Tennessee

Harrogate, TN
251 Industrial Drive
Harrogate, TN 37752
800-244-0608

 **Republic Diesel**
TSM@RepublicDiesel.com



100 Years

UNDERCARRIAGE & FINAL DRIVE

Equalizer Bars

- Repair cracks and bad bores
- Repair broken bars
- Install parts for assembly

Pivot Shafts

- Repair bearing areas
- Weld and stress relive
- Update bolt holes
- Make new

Front Cannons

- Load and unload
- Weld and machine keyways
- Repair internal threads
- Repair/Supply track adjuster

Roller Frame Rear Sections

- Weld and repair bores
- Weld and repair twister holes
- Install new bottom



Planetary

- Repair bores and faces
- Repair cracks

Spindles

- Repair bearing areas
- Repair splines
- Repair cracks
- Repair duo-cone seal area

Sprocket Hubs

- Repair bearing areas
- Repair seal areas
- Repair bolt holes

Wheels

- Weld and repair bearing fits
- Weld and repair cracks



Other components we repair

- Lift Yokes
- Grader Circles
- Grader Blades
- Grader Slide Brackets
- Grader Draw Bars
- Grader Axles
- Boom Arms
- Suspension Barrels
- Pinion Saddles
- Major and Minor Bogies
- Dog Bones
- Pinion Housings



Capabilities

- 6'x6'x14' Heat treating and annealing oven
- Swing 95" Vertical lathe
- 8 Boring mills
- Oxygen/Gas torch table
- Magnetic particle inspection
- Load and unload cannons and repair threads