

**ENERPAC** 

# **TL248** **TRACK LIFT** **SYSTEM**



**THE RIGHT TOOL MAKES ALL THE DIFFERENCE**

# PRECISE, CONTROLLED HYDRAULIC LIFTING AND HOLDING

The TL248 is a portable and self-powered compact system designed for easy transport to remote locations. This innovative and patent pending hydraulic lifting device is specifically engineered to raise track from below, holding turnouts, diamonds, switches, retarders, and bridge ends in place, allowing work to be completed more efficiently and with greater precision and safety than traditional methods.

With the proper safety protocols in place, the TL248 Track Lift System allows production crews or maintenance-of-way (MoW) equipment such as tamping machines to traverse the rail – ultimately resulting in shorter curfews saving time and money. This system was developed in conjunction with the continuous feedback from a Class I railroad, meeting Class I specs for operations, safety, and support materials.

## TL248 TRACK LIFT SYSTEM



### POWERFUL HYDRAULICS

Lifts and holds up to 248 tons.



### EASY TO TRANSPORT

Weighs only 1600 lbs. Fits in the bed of a pickup truck. Dual hook lifting point and fork pocket access.



### HIGHLY PRECISE

Accurately raises and lowers track within 1/8 inch. Four jacks operate independently to properly level diamonds, switches, retarders, and track.



### EASY TO USE

Less manpower needed. Color coordinated hydraulic lines and valves. Few moving parts. Easy to service and maintain. Reliable.



### SHORT ROI

Pays for itself in 10-20 lifts.



### LOW MAINTENANCE

TL248 units have performed over 100 lifts each with zero failures.



### SAFE OPERATION

Redundant systems and counterbalance valves prevent cylinder drift.

## PRODUCT FEATURES

- (4) 62-ton lifting cylinders (jacks)
- (4) Cylinder load distribution shoes with integrated handle
- (8) 50 ft hydraulic hoses on a retractable hose reel
- (1) Spare 50 ft hose as a back up
- Key starting engine with pull start backup
- LED lighting for equipment operation in low light conditions
- Highly visible safety labels ensures proper operation
- Operators manual
- Bleed-off tool for hoses and connectors
- Magnetic locator flags, color coded for coordinating jacks with control valves
- Locking tool storage for security
- Locking battery disconnect
- Anti-theft battery box
- Skid plates
- Powder coated “safety yellow”
- Easy placement & lifting access via built-in dual hook lifting point or fork pockets
- Jack placement tool

**THE RIGHT TOOLS TO SERVICE AND MAINTAIN THE WORLD'S RAIL NETWORKS**

## **MOST RAILROADS EXPERIENCE THE FOLLOWING ISSUES WHILE PERFORMING TRACK LIFTS:**

- ☒ The need for up to 12 employees per lift
- ☒ Inaccurate lift precision when using cranes and chains
- ☒ Long curfews
- ☒ Reduced system velocity from track closures and MoW delays
- ☒ Dropped ties
- ☒ High costs of equipment and labor
- ☒ Increased safety issues



## **TL248 TRACK LIFT SYSTEM IS A TECHNOLOGICAL IMPROVEMENT THAT FACILITATES THE FOLLOWING:**

- ☒ Only 4 employees needed per lift
- ☒ Precise, controlled lifts & holds to 1/8 inch accuracy
- ☒ Pushing vs pulling to lift track
- ☒ Shorter curfews
- ☒ Faster, safer, less expensive, and less labor required
- ☒ 5-6 switch lifts per day
- ☒ Works well in confined work areas
- ☒ ROI in 10-20 lifts based on Class I railroad feedback



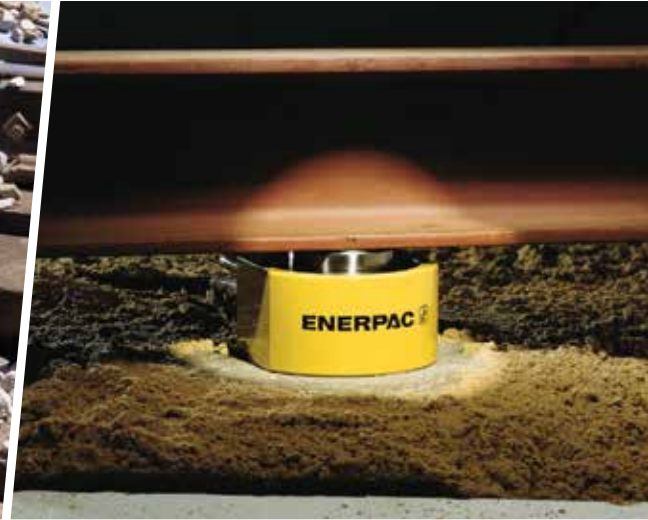
# SAVE TIME AND MONEY ON COMPLEX TRACK LIFTS



The TL248 Track Lift System includes four framed lifting cylinders, each rated for 62 tons, offering a total lifting capacity of 248 tons.



The TL248 Track Lift System includes four Ballast Shields to protect the lifting cylinders.



The TL248 Track Lift System can be deployed to lift rail bridge ends with included cylinders, or if needed, can operate hydraulic cylinders of other sizes.



Well suited for environments with limited work space or overhead clearance restrictions, the TL248 eliminates crane truck and side boom crane problems.



Raising track from below provides real advantages over “pulling” lifts via cranes or backhoes. The TL248 provides increased jobsite efficiency, greater lifting precision, reduces tie “fall out” rework, and eliminates side boom crane costs.

## ULTRA-RELIABLE QUALITY, SAFETY, AND PRECISION

As the world leader in industrial tools and services, Enerpac has earned the trust of rail owners, operators, and contractors worldwide. Offering elite professionals on-demand access to the safest, most technically advanced solutions on the planet, so they can confidently tackle the toughest jobs in the most demanding situations anywhere in the world. Backed by our global legacy of ultra-reliable quality and superior precision, Enerpac industrial tools ensure our customers operate safely and productively, every day, every year, year after year.

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