

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-contained power unit designed for easy transport to remote locations. This innovative hydraulic lifting device is specifically engineered to raise track from below, holding turnouts, points, switches and crossings (S&C) 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 track possessions saving time and money. This system was developed in close collaboration with leading rail infrastructure operators to meet rigorous industry standards for operations, safety and supporting documentation. The Enerpac TL248 has full approval for use on Network Rail Managed Infrastructure.

TL248 TRACK LIFT SYSTEM



POWERFUL HYDRAULICS

Lifts and holds up to 248 tonnes.



EASY TO TRANSPORT

Weighs only 753 kg. Fits in the bed of an utility vehicle. Dual hook lifting point and fork pocket access.



HIGHLY PRECISE

Accurately raises and lowers track within 3,2 mm. Four jacks operate independently to properly level points, switches and crossings.



EASY TO USE

Less manpower needed. Colour-coded 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 jack drift.

PRODUCT FEATURES

- (4) 62 tonnes lifting cylinder jacks
- (4) Cylinder jack load distribution shoes with integrated handle
- (8) 15 m hydraulic hoses on a retractable hose reel
- (1) Spare 15 m 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
- Reservoir protection plate to prevent damage or leakage caused by forklifts
- Integrated hand pump as back-up
- Crank for emergency operation of hose reel if hydraulics fail.
- Bleed-off tool for hoses and connectors
- Magnetic locator flags, colour-coded for coordinating cylinder jacks with control valves
- Operators manual
- 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 RAILWAYS 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 track possessions
- ☒ Reduced system velocity from track closures and MoW delays
- ☒ Dropped sleepers
- ☒ High costs of equipment and labour
- ☒ 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 3,2 mm accuracy
- ☒ Pushing vs pulling to lift track
- ☒ Shorter track possessions
- ☒ Faster, safer, less expensive, and less labour required
- ☒ 5-6 switch lifts per day
- ☒ Works well in confined work areas
- ☒ ROI in 10-20 lifts based on rail industry feedback



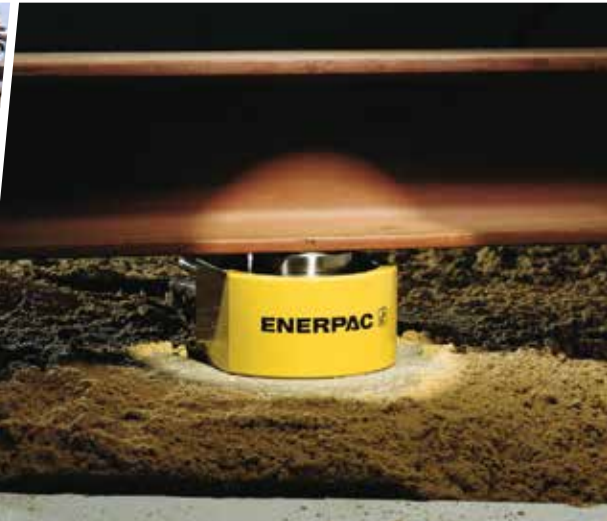
SAVE TIME, REDUCE COSTS AND IMPROVE SAFETY ON COMPLEX TRACK LIFTS



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



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



The TL248 Track Lift System can be deployed to lift rail bridge ends with included hydraulic cylinder jacks, or if needed, can operate 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 sleeper “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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