



Actual products may differ
from images shown

The Undercarriage Test & Fill Station is purpose-built to accurately test and fill track joints, rollers, and idlers to recommended specifications. Proper testing, filling, and verification of undercarriage track pins, rollers, and idlers, is essential to maximizing service life and ensuring reliable machine performance.

Engineered for accuracy and efficiency, this unit delivers consistent, repeatable operation with streamlined controls and a modern, operator-friendly interface.

Key Benefits

- **Dependable Pressure Testing**

Pressure testing provides a reliable method for evaluating undercarriage components. The unit performs a precise pressure test to measure the quality of joint seals (default 10 second measurement periods) and fills each component to 80–90% capacity, ensuring proper lubrication.

- **Targeted Oil Heating**

A dedicated in-line oil heater warms the oil being pumped into the component, improving fill consistency and flow without the need for a fully heated reservoir.

- **Consistent, Repeatable Test Cycles**

The unit automatically executes repeatable test-and-fill cycles, including real-time volume and time measurements, ensuring uniform results across all components.

- **Verified Fill Volumes**

An integrated flow meter, standard on every unit, verifies fill volume with precision, supporting accurate lubrication levels and improved component longevity.

- **Automatic Cycle Logging**

Every test and fill cycle is automatically recorded and can be exported to USB storage for documentation, recordkeeping, or customer reporting. USB access is conveniently located on the front panel.

- **High Volume Vacuum Generator**

Vacuums joints prior to filling, enabling a 80-90% joint fill volume with a near-zero joint pressure when filled.

- **Waste Oil Collection**

As joints are vacuumed extracted oil is collected in an easy to remove transparent collection cup.

- **Full Flow Filtration and Relief Circuit**

An in-line 11 micron filter (Absolute Rating $\beta_{x(c)}=1000$) provides joints with highly filtered oil. Oil kidney filtering occurs when not actively filling joints the oil pump flow is relieved into tank after in-line heater and filter.

Product Features

- **Enhanced UI & Full-Screen HMI**

A modern, full-screen touch interface HMI LCD offers intuitive navigation, improved visibility, and simplified operation for technicians of any experience level.

- **Automated Prime/Purge Capability**

The built-in automated prime/purge cycle reduces setup time and ensures consistent unit readiness.

- **Pressure Test Advantage**

Pressure testing provides superior leak detection and improved accuracy compared to vacuum-only testing.

- **Optimized Fill Accuracy**

Components are filled to 80–90% of their total volume, with the unit providing fill volume results for consistent and repeatable performance.

- **High-Capacity Oil Reservoir**

An integrated 30 gallon (114-liter) reservoir supports extended operation and high-volume service environments and removes the need for bulky and heavy drum.

- **Single-Operator Efficiency**

Simple, clearly labeled controls and an integrated LCD enables quick set up and intuitive, one-handed operation via a single button, allowing one technician to work efficiently.

- **Mobile Shop Cart Design**

A durable, large-wheeled cart design enables easy maneuverability on hard surfaces in the shop or across gravel yards, supporting flexible workflows and improved service throughput.

- **Field Serviceable**

Unit can be converted to 220VAC without any additional hardware. Hoses and signal wires between handle and main unit utilize easy to connect fittings/terminals allowing for renewing or extending/shortening to facilitate workflow needs.

Specifications

Test and Fill Station	
Description	Specification
Power	Single Phase 50/60 Hz 120 VAC 20 A / *220VAC 10 A
Electric Motor	.33 hp (0.25 kW)
Compressed Air Inlet Compressed Air Adjustment	80 - 240 psi (552 - 1,655 kPa), 15 SCFM 80 - 100 psi (552 - 689 kPa)
Oil System Pressure (Relief Setting)	0 - 50 psi (345 kPa)
Oil Capacity	30 gal (114 liters)
Overall Dimensions	32W x 57L x 60H in (81 x 145 x 152cm) <i>Including push/pull handle</i>
Weight (Dry)	435 lb (197 kg)

*All units are factory prewired to 120 VAC, single phase.
Manual includes 120 to 220 VAC conversion information which can be performed in field without additional hardware.

Typical Oil Types**	
Description	Specification
Sealed and Lubricated Track	80W-90 EP Gear Oil
Sealed and Lubricated (arctic) Track	75W-140 EP Gear Oil
Rollers and Idlers	SAE 30W Oil

**See manufacturers service and/or repair manuals for proper oil requirements..

Needles	
Description	Specification
CAT® Ready	CAT® 8T-0831 Lubricator Tip or equivalent <i>Easily replaceable for service or if alternate size is needed.</i>

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