



2016 Caterpillar TL642D

YEAR 2016
HOURS 2,147 hrs
CATEGORY Telehandlers
MANUFACTURER Caterpillar
SKU A-466856

✓ **INSPECTION VERIFIED**

Machine Documentation & History

	COMPONENT	CONDITION/NOTES
✓	Year, Make & Model	Information verified and matches data plate
✓	Serial Number	Confirmed and documented
✓	Hour Meter Reading	Current hours recorded and operational
✓	Service History	Available records reviewed and on file
✓	Load Chart	Present, legible, and matches configuration

Overall Appearance

	COMPONENT	CONDITION/NOTES
✓	Paint & Body Condition	Good condition for age with normal wear
✓	General Cleanliness	Well-maintained appearance
✓	Safety Decals & Labels	Present and legible
✓	Operator's Manual	Included with machine

Structural Integrity

	COMPONENT	CONDITION/NOTES
✓	Main Frame	Solid structure with no cracks or repairs
✓	Boom Sections	No cracks, dents, or structural damage
✓	Boom Pivot Points	No stress cracks or excessive wear
✓	Carriage	Straight and securely mounted
✓	Counterweight	Properly secured with no damage

Engine & Fuel System

	COMPONENT	CONDITION/NOTES
✓	Engine Oil	Proper level and clean condition
✓	Oil Leaks	No leaks detected
✓	Air Filter	Clean with no restriction indicated
✓	Cold Start	Starts readily without excessive cranking
✓	Engine Operation	Runs smoothly with excellent power
✓	Exhaust	Clean exhaust — no excessive smoke
✓	Fuel System	No leaks, filters in excellent condition
✓	Belts & Hoses	Good condition with proper tension

Transmission & Drivetrain

	COMPONENT	CONDITION/NOTES
✓	Transmission Fluid	Proper level and excellent condition
✓	Gear Shifting	All gears engage smoothly
✓	Transmission Noise	No unusual grinding or whining
✓	Differential Locks	Engage and disengage properly (if equipped)
✓	Transfer Case	Operating properly (if equipped)

Hydraulic System

	COMPONENT	CONDITION/NOTES
✓	Hydraulic Fluid	Proper level and clean condition
✓	Hydraulic Pump	Operating without leaks or noise
✓	Boom Extension Cylinders	No leaks, rods in excellent condition
✓	Boom Lift Cylinder	Operating smoothly without leaks
✓	Tilt Cylinders	Function properly with no leaks
✓	Hoses & Lines	Good condition throughout boom
✓	Hydraulic Response	Strong and responsive operation
✓	Auxiliary Hydraulics	Functioning properly (if equipped)

Boom System

	COMPONENT	CONDITION/NOTES
✓	Boom Extension	Extends smoothly to full reach
✓	Boom Retraction	Retracts smoothly and completely
✓	Boom Wear Pads	Acceptable wear — indicators visible
✓	Boom Chains	Proper tension with no damage
✓	Boom Elevation	Raises and lowers smoothly
✓	Boom Hold	Maintains position without drift
✓	Load Sensing System	Operating correctly (if equipped)

Forks & Attachments

	COMPONENT	CONDITION/NOTES
✓	Forks	Straight with acceptable wear
✓	Fork Carriage	Slides smoothly on bar
✓	Fork Positioning	Adjusts and locks properly
✓	Quick Attach System	Locks and releases properly
✓	Attachment Plate	No cracks or damage
✓	Hydraulic Couplers	Connect properly (if equipped)

Stabilizers (If Equipped)

	COMPONENT	CONDITION/NOTES
✓	Stabilizer Legs	Extend and retract smoothly
✓	Stabilizer Pads	Good condition with no cracks
✓	Mounting Points	No cracks or damage
✓	Hydraulic Cylinders	No leaks detected

Steering & Brakes

	COMPONENT	CONDITION/NOTES
✓	Steering Wheel	Minimal free play
✓	Power Steering	Responsive without noise
✓	Steering Modes	All modes function properly (2WS/4WS/crab)
✓	Steering Linkage	Tight with no excessive wear
✓	Service Brakes	Stop effectively
✓	Parking Brake	Holds machine on incline
✓	Brake Fluid	Proper level and clean

Tires & Wheels

	COMPONENT	CONDITION/NOTES
✓	Front Tires	Good tread with no cuts or damage
✓	Rear Tires	Good tread with no cuts or damage
✓	Tire Pressure	Properly inflated (if pneumatic)
✓	Wheel Bolts	Tight and secure to specification
✓	Rims	No bends or cracks

Cooling System

	COMPONENT	CONDITION/NOTES
✓	Coolant Level	Proper level maintained
✓	Coolant Condition	Clean and properly mixed
✓	Radiator	Clean and free of debris
✓	Cooling Fan	Operating correctly
✓	Hoses & Clamps	No cracks or leaks

Electrical System

	COMPONENT	CONDITION/NOTES
✓	Battery	Good condition with clean connections
✓	Charging System	Alternator charging properly
✓	Headlights	All lights operational
✓	Work Lights	Functioning properly
✓	Beacon Light	Operating correctly (if equipped)
✓	Backup Alarm	Operating properly
✓	Turn Signals	Functioning correctly
✓	Gauges & Displays	All instruments functioning
✓	Horn	Operating properly

Cab & Operator Station

	COMPONENT	CONDITION/NOTES
✓	Operator Seat	Good condition with functional adjustments
✓	Seatbelt	Present and functional
✓	Control Levers	All controls respond smoothly
✓	Joystick Controls	Operate properly (if equipped)
✓	Pedals	Responsive with proper travel
✓	Doors	Latch securely and operate smoothly
✓	Windows	Clean with no cracks
✓	HVAC System	Heating and air conditioning operational
✓	ROPS/FOPS Structure	Intact with no damage
✓	Mirrors	Present and properly adjusted

Safety Features

	COMPONENT	CONDITION/NOTES
✓	Load Capacity Indicator	Functioning and accurate
✓	Boom Angle Indicator	Visible and operational
✓	Tilt Alarm/Indicator	Functions properly
✓	Overload Protection	System responds correctly
✓	Emergency Lowering	Functions properly (if equipped)

Performance Testing – Boom Functions

	COMPONENT	CONDITION/NOTES
✓	Boom Extension	Extends smoothly to maximum reach
✓	Boom Retraction	Retracts completely without hesitation
✓	Boom Raise	Lifts smoothly to maximum height
✓	Boom Lower	Lowers smoothly with control
✓	Load Handling	Maintains stability under load
✓	Fork Tilt	Full range of motion

Performance Testing – Travel

	COMPONENT	CONDITION/NOTES
✓	Forward Travel	Moves smoothly in all gears
✓	Reverse Travel	Operates properly with alarm
✓	Steering Response	All steering modes work properly
✓	Brake Performance	Stops effectively
✓	Under Load	Maintains power while loaded

Additional Items Verified

	COMPONENT	CONDITION/NOTES
✓	Engine Access	Hood/covers open and close properly
✓	Grease Points	Accessible and properly lubricated
✓	No Unusual Noises	Quiet operation throughout testing
✓	No Leaks	Checked entire machine for fluid leaks
✓	Access Ladder	Secure and safe
✓	Overall Safety	Machine meets safety standards

Inspection Summary

OVERALL MACHINE CONDITION

EXCELLENT	GOOD	FAIR
✓		

READY FOR WORK

YES	MINOR SERVICE NEEDED
✓	

This Telehandlers has been inspected by our certified technicians and is ready for your operation. We stand behind every machine we sell and are here to support you after the sale.

Questions? Call us at (336) 850-3078

Earthmoving MSU Equipment & OxNova Equipment

(336) 850-3078 · sales@emsu-equipment.com

The equipment was inspected upon arrival