

**COMMERCIAL OFFER BACKHOE LOADER MST 542  
COUNTRY OF ORIGIN – TÜRKIYE**



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| <p><b>ENGINE</b><br/> <b>Model:</b> PERKINS 1104 C -44 T (UK)<br/> <b>Type:</b> Four cylinder diesel engine with water cooling, turbocharger and intercooler. (Apparatus)<br/> <b>Ecol . engine class:</b> Euro 2, <b>Engine capacity:</b> 4,400 cc.<br/> <b>Max. power:</b> 74.5 kW / 100 hp (at 2200 rpm) <b>Max. torque</b> 408 _ Nm (at 1400 rpm)</p>  | <p><b>BRAKE SYSTEM</b><br/> Service brake: hydraulic oil tank,<br/> Self-adjusting disc brakes located inside the rear axle with separate brake pedals for the left and right wheels.<br/> Parking brake: mechanical brake, controlled by a hand lever, acts on the rear axle differential</p>   |
| <p><b>TRANSMISSION</b><br/> Automatic power shift for heavy duty use ( TLB 2 - CD ) - <b>4 forward and 4 reverse gears</b><br/> 40 km/h max. speed<br/> Full hydraulic control, 2 WD switch (2 wheel drive) / 4 WD (four-wheel drive)<br/> 2.64 / 1 transformation ratio in stop mode<br/> Transmission oil cooling</p> <p><b>BRIDGES</b><br/> CARRORO bridges (ITALY) for use in harsh conditions<br/> Front axle oscillation 16 °<br/> 2WD and 4WD function<br/> Suspended planetary gearbox<br/> Differential locking device on the rear axle</p> | <p><b>FILLING</b><br/> Engine oil with filter: 8 l<br/> Engine cooling system: 19 l<br/> Fuel tank: 140 l<br/> Front axle differential: 7.5 l<br/> Front axle axle: 2 x 0.8 l<br/> Rear axle differential: 16 l<br/> Rear axle axle: 2 x 1.5 l<br/> Transmission: 21L<br/> Hydraulic system (total): 145 l</p> <p><b>ELECTRICAL SYSTEM</b><br/> Voltage: 12V<br/> Battery: 135 Ampere<br/> Generator: 85 A</p>                   |
| <p><b>HYDRAULIC SYSTEM</b><br/> <b>Main pump</b><br/> Type: Twin, gear<br/> Max. flow: 86 l/min<br/> Pressure: 250 bar</p> <p><b>DIGGING PARAMETERS</b><br/> Maximum digging depth: 4575 mm<br/> Removal of the bucket - from ur . ground to rear wheel center: 6,866 mm<br/> SAE bucket working height : 5509 mm<br/> Maximum loading over the sides: 3764 mm</p>   | <p><b>TIRES</b><br/> Front tires: 405/70-20 (12 plies)<br/> Rear tires: 16.9 – 28 (14 plies)</p> <p><b>LOADER PERFORMANCE</b><br/> capacity : 1.1 m<sup>3</sup><br/> Bucket breakout force: 7734 kgf<br/> Boom breakout force: 5905 kgf<br/> Max. lifting height: 3500 kgf</p> <p><b>BACKHOE PERFORMANCE</b><br/> Rear bucket capacity: 0.27 m<sup>3</sup><br/> breakout force : 6424 kgf<br/> Boom breakout force: 3461 kgf</p> |
| <p><b>Control: Mechanical lever</b><br/> Includes:<br/> Air conditioner,<br/> SONY tape recorder,<br/> Mobile carriage,<br/> POWER SHIFT function,<br/> Front and rear drive switch,<br/> Frontal bucket - jaw grip.<br/> Additional bucket : 0.12 m<sup>3</sup></p>   |  |

