

Case 580sm Backhoe Loader Service Parts Catalogue Manual Moment Download,
 Case 580SM Backhoe Loader (Europe) Service Parts Catalogue Manual INSTANT DOWNLOAD,
ENGINE: Model Case 445T/M2 diesel Type..... 4-stroke, turbocharged
 Cylinders 4 Bore/Stroke..... 4.09" x 5.19" (104 x 132
 mm) Displacement 272 in3 (4.5 L) Fuel injection Direct Fuel
 Diesel Fuel filter w/water trap Air intake
 Cross-flow Cooling..... Liquid Case 580SM Backhoe
 Loader (Europe) Service Parts Catalogue Manual is an electronic version of the best original
 maintenance manual. Compared to the electronic version and paper version, there is a great
 advantage. It can zoom in anywhere on your computer, so you can see it clearly. Your Case
 580SM Backhoe Loader (Europe) parts correspond with the number of pages printed on it in



this manual, very easy to use.



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Engine speeds* (rpm) Rated speed, full load 2200 Low idle..... 800 - 900 High
 idle, no load 2380 - 2480 Horsepower Gross..... 95 (71 kW) @ 2200 rpm Net 90 (67
 kW) @ 2200 rpm Maximum torque @ 1500 rpm Gross..... 294 lb·ft (398 N·m) Net
 289 lb·ft (392 N·m) Torque rise at rated speed 29% NOTE: *Engine speeds with
 standard trans- mission. Meets federal emission regu- lations. ENGINE COOLING Radiator Core type
 Square wave Core size area..... 487 in2 (.315 m2) Rows of tubes 5
 Fan Style 7 blade suction Diameter 19.6" (500 mm) Ratio
 1.1:1 Water pump Style Integral Engine oil
 Pump..... Deep sump plate cooler with pressurized under-piston nozzles Pump operating angle
 ratings Side-to-side Rated 35° Fore and aft..... Rated 35° Oil filtration
 Replaceable, full-flow cartridge TIRES Front 2WD - 11L x 16.1, 10-ply rating 4WD - 12 x
 16.5, 8-ply rating Rear 2/4WD - 17.5L x 24, 10-ply rating 2/4WD - 19.5L x 24, 10-ply rating

POWERTRAIN Transmission 4-speed synchromesh with hydraulically actuated clutches and electric F/R shuttle control, clutch disconnect buttons on the transmission shifter and loader control lever Gear ratios Forward Reverse 1st 5.491 4.550 2nd 3.043 2.522 3rd 1.584 1.313 4th 0.793 0.657 Torque converter Ratio 2.63 Differential lock On-the-go push-button activation Front 4WD axle Differential ratio 2.0 Planetary hub ratio 6.0 Total reduction ratio 12.0 Rear axle Differential ratio 2.333 Planetary hub ratio 6.923 Total reduction ratio 16.153 Service brakes.. Individually applied, hydraulically actuated, maintenance-free, self-adjusting, inboard mounted, wet disc Disc area 53 in2 (.03 m2) Parking brakes Mechanically applied with electric activation sensors at each brake Travel speeds - mph (km/h) 1st 2nd 3rd 4th Forward..... 3.5..... 6.7.... 13.5..... 25.5 (5.7) (10.8) (21.7) (41.0) Reverse..... 4.3..... 8.1.... 16.3 30.8 (6.9) (13.0) (26.2) (49.6) NOTE: Travel speeds at 2324 engine rpm with 19.5 x 24 tires. ELECTRICAL Voltage 12 volts, negative ground Alternator 90 amp Battery..... 850 cold-cranking amps Optional batteries (2) 600 cold-cranking amps Power plugs..... (2) 30 amps ea. Page 1 of 6 HYDRAULICS Pump Gear-type tandem, transmission driven Main relief pressure 3050 + 50 - 50 psi @ 38 gpm (210 + 3 - 3 bar @ 144 L/min) Filtration 7-micron, full flow replaceable cartridge on return line, condition indicator light for filter Oil cooler Heavy-duty Loader flow @ rated engine rpm 28.5 gpm @ 3050 psi (108L/min @ 210 bar) Loader control valve Monoblock single lever control for lift, tilt and auxiliary hydraulics, positive hold float and return-to-dig Loader auxiliary hydraulics with full loader flow available 14 to 28.5 gpm (53 to 108 L/min) Backhoe flow @ rated engine rpm 38 gpm @ 3050 psi (144 L/min @ 210 bar) Manual Backhoe Controls Backhoe Control Valve ... Monoblock open-center, parallel circuits. Boom and dipper, with pilot operated checks Pilot Backhoe Controls Backhoe Control Valve Sectional closed-center with inlet compensator and circuits in parallel. Backhoe auxiliary hydraulics Uni-directional flow, adjustable variable flow from 0 to 36 gpm (136L/min) Control operation Manual... Foot switch activated PilotButton on left joystick Bi-Directional flow, variable flow from 0to38gpm (144 L/min) @ rated engine rpm Control operation Manual Hand lever PilotButtons on left joystick