



# TAFE 8502 4WD



# TAFE 8502 4WD TECHNICAL SPECIFICATIONS

## STANDARD FEATURES

Flat top fenders with extension plates, Fixed squared bonnet, Independently working hand & foot throttle, Hand parking brake, Spring suspension seat, Classic pedals, Instrument cluster, Steering combination switch, Swinging drawbar, Chain stabilizer kit, Toolbox, front weight frame

## OPTIONAL EQUIPMENT

Front weights and rear wheel weights, Oil pipe kit, Sun canopy, Adjustable tow hook, Auxiliary hydraulics

## ENGINE & DRIVE

**Make/Type:** Simpson S440, 4 Stroke direct injection, Diesel engine with PCV (Exhaust emission as per ISO 8178)

**Cylinders:** 4-Cylinders

**Bore/Stroke:** 1001127mm

**Cubic capacity:** 4.0 Litres

**Air cleaner:** Oil bath - over bonnet

**Cooling:** Pressurized water cooling

**Starting aid:** Induction manifold

**Fuel injection pump:** MICO Inline pump

**Fuel filter type:** Dual, replaceable element type

**Exhaust:** Vertical

**Max. Engine power:** 60kW gross @ 2 200rpm

**Max. Engine torque:** 291.26Nm @ 1 400Erpm // as per BSAu 141a 1971

## ELECTRICAL

**12 Volt negative earth system:** Standard

**Starter motor:** 12V DC, 2.7kW, solenoid engaged flange mounted, will operate only when high-low selector is in neutral

**Alternator:** 12V, 36A with ITIWITI point

Relays: Horn, High/low beam, brake lamp

**Lamps:** 2-Halogen head lamps 60/SSW, 1-Halogen work lamp SSW, 4-Amber fender lamps 21W - conforming to ASAE standards, 2-Red rear direction lamps 21W

**Gauges & indicators:** Instrument cluster consists of an electronic Hour-Cum-RPM meter, Fuel gauge, Lub/oil pressure gauge, Coolant temperature gauge, Turn indicator, Hazard warning indicator, High beam indicator, Battery charge indicator, Low fuel indicator, High temperature indicator with imperial markings

## FILL UP DATA

**Fuel tank:** 70 Litres

**Engine lub. oil:** 9.5 Litres (sump and lub. oil filters)

**Cooling system:** 14 Litres

**Transmission - Hydraulic systems:** 45 Litres

**Hydraulic steering reservoir:** 1.9 Litres

**Front axle:** 5.6 Litres

**Epicyle hubs:** 2.4 Litres

**Air cleaner:** 0.8 Litres

**FIP cambox:** 0.5 Litres

## CLUTCH

**Type:** Dual dry corametal

**Driving plate:** Primary 305mm, secondary 254mm

**Method of operation:** Manual, classic type pedal

## POWER TAKE OFF

**Type:** Live

**Shaft diameter:** 1 318111 (34.8mm)

**Number of Splines:** 6

**PTO Speed:** 540 @1 789Erpm

## TRANSMISSION

**Gear box:** 8-forward and 2-reverse sliding mesh

**Rear axle:** Crown wheel and pinion with differential and epicyclic at wheel end

**Differential lock:** Mechanical - foot operated

## BRAKES

**Type:** Multiple disc wet brakes

**Method of operation:** Mechanically actuated individual RH LH or combined through classic pedals

**Parking brakes:** Hand lever operated

## FRONT AXLE

**Type:** 4WD

## STEERING

**Type:** Hydrostatic steering

## HYDRAULIC SYSTEM

**Type:** MARKIIL 4 Cyl. Skotch Yoke piston pump - suction strainer

**Rated capacity:** 18Rpm @ 540 PTO Erpm

**Ratio capacity:** 42Rpm (for auxiliary hydraulic)

**External tapping points:** 3

**Max. lift capacity:** 2 145kgf @ Horizontal position

## WHEELS & TYRES

**Front wheel:** 10 x 24

**Front tyre:** 12.4 x 24 - 8PR

**Rear wheel:** 15 x 30

**Rear tyre:** 18.4 x 30 - 14PR

## WHEEL TRACK

**Front:** 1 824 - 1 930mm

**Rear:** 1 524 - 2 134mm

**Adjustment steps:** 102mm

## DIMENSIONS & WEIGHT

**Overall length:** 3 830mm (Lower links in horizontal position)

**Overall width:** 2 100mm

**Overall height:** 2 520mm (over exhaust)

**Wheelbase:** 2 300mm

**Min. ground clearance:** 360mm (below swinging draw bar)

**Turning circle radius with brake:** 3 850mm

**Tractor weight:** 2 900kg