

**PROTECT YOUR  
INVESTMENT AND  
PRODUCTIVITY**

# **Diagnostic Inspection Plan**

- LESS DOWN-TIME FOR THE CLIENT IN SEASON
- A GOOD PROACTIVE PLAN CAN BE SCHEDULED FOR INSPECTIONS



# ADVANTAGES OF INSPECTION PROGRAMME

- Summer and winter inspections on different machines
  - The inspections can be done through the year
  - Less down-time for the client in season
  - Inspections are done by a qualified John Deere technician
  - Inspections can be done on the farm
  - Breakdowns in season will be less
  - A good proactive plan can be scheduled for inspections
  - Parts can be allocated in time for the machines
  - New and used equipment can be inspected
  - Different prices for different machines
  - The client will benefit with the inspection programme on all his equipment
  - The value of the machine will be positively affected
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# SELF-PROPELLED FORAGE HARVESTER

**R 7 216,25**

VAT Incl



## ☐ **Control System**

- ☒ Stored codes

## ☐ **Electrical System**

- ☒ Battery cables/ends
- ☒ Generator/alternator charging
- ☒ Wiring harnesses

## ☐ **Engine**

- ☒ Intake system, hose and clamps
- ☒ Turbo inspection
- ☒ Valve lash adjustment
- ☒ Pulleys and belts

## ☐ **Cooling System**

- ☒ Vari-cool fan
- ☒ Condition/Freeze point

## ☐ **Fuel System**

- ☒ Unit type injectors
- ☒ Fuel tests
- ☒ HPCR pump
- ☒ Conduct engine misfire test if problems noted during power check

## ☐ **Power Train**

- ☒ System operating pressure
- ☒ Transmission operation
- ☒ Transmission/hydraulic/MFWD oil

## ☐ **Feed roll area**

- ☒ Right feed roll drive gearbox
- ☒ Crop residue
- ☒ Inspect feed rolls

## ☐ **Hydrostatic**

- ☒ Inspect harness and sensors
- ☒ Pressure test system

## ☐ **Knife grinder housing area**

- ☒ Sharpening the cutter head
- ☒ Sharpening stone

## ☐ **Blower Band Area**

- ☒ Blower bearing supports
- ☒ Blower paddles

## ☐ **Smooth roll scraper**

- ☒ Smooth roll, scraper
- ☒ Clearance between the smooth roll and scraper

## ☐ **Drive sheaves**

- ☒ Clean and check all drives
- ☒ Check bearings

## ☐ **Kernel processor**

- ☒ Idler bearings
- ☒ Clean and inspect

## ☐ **Unloading spout**

- ☒ Rotation mechanism
- ☒ Lubricate

- ☒ Wear plates

## ☐ **Cutter Head Knives – Installation and Adjustment**

- ☒ Calibrate

## ☐ **Steering and Brakes**

- ☒ Steering valve
- ☒ Tie rod and drag link ends
- ☒ Steering arm
- ☒ Brake operation
- ☒ Brake valves

## ☐ **Hydraulic System**

- ☒ Main pump standby pressure
- ☒ Check the hydraulic pump pressure
- ☒ Hydraulic pump flow test

## ☐ **Operator's Station**

- ☒ Cab body mounting
- ☒ Air conditioning
- ☒ System charge
- ☒ AC check for external plugging

## ☐ **Miscellaneous**

- ☒ Belt tensioners
- ☒ Frame gudgeon + bushes
- ☒ Wheel bolt torque
- ☒ Recheck stored codes

# LAWNMOWER

**R 1 006.25**

VAT Incl



## ☐ **Control System**

- ☒ Stored codes

## ☐ **Electrical System**

- ☒ Battery condition
- ☒ Alternator charging
- ☒ Wiring harnesses

## ☐ **Engine**

- ☒ Intake system, hose and clamps
- ☒ Valve lash adjustment
- ☒ Sparkplug and gap

## ☐ **Fuel System**

- ☒ Fuel leaks
- ☒ Conduct engine misfire test if problems noted during power check

## ☐ **Mower Deck**

- ☒ Spindels and bearings
- ☒ Drive belt and pulleys
- ☒ Tensioners

## ☐ **Steering & Tie Rod**

- ☒ Wheel alignment
- ☒ Steering functions
- ☒ Steering linkages

## ☐ **Transmission**

- ☒ Forward and reverse pedal controls
- ☒ Rear wheel drive keys and shaft
- ☒ Cleaning of material

# COMBINE

**R 7 216,25**

**VAT Incl**



## ☐ **Control System**

- ☒ Stored codes

## ☐ **Electrical System**

- ☒ Software
- ☒ Battery cables/ends
- ☒ Wiring harnesses

## ☐ **Engine**

- ☒ Rotary screen & belt
- ☒ Vac fan drive belt and idlers
- ☒ Lines for oil cooler & A/C
- ☒ Drive belts for alternator, fan, & air compressor pump (if equipped)
- ☒ Clean radiator/hoses & clamps
- ☒ Inspect turbo charger

## ☐ **Grain Tank Section**

- ☒ Grain sample trough
- ☒ Clean grain elevator top shaft & bearings
- ☒ Vertical auger & housing
- ☒ 90 degree gear case

## ☐ **Grain Tank Section Installed Options**

- ☒ Additional "full" grain tank sensor
- ☒ Slow speed clean grain elevator drive (machines without active tailings system)

## ☐ **Feeder House Area**

- ☒ Feeder house drive chain, sprockets, idlers & guides
- ☒ Slip clutch
- ☒ Top shaft, bearings, sprockets & stripper plates
- ☒ Reverser gear case - operation, oil level/change
- ☒ Check multi-point harness and hoses

## ☐ **Feed Accelerator (Fast)**

- ☒ Feed accelerator drive belt
- ☒ Feed accelerator - wings & bearings

## ☐ **Left-Hand Side**

- ☒ Drive shaft
- ☒ Reel speed valve & actuator
- ☒ Cleaning fan, housing, fins, bearings, speed
- ☒ Concave actuator motor, gears & linkage
- ☒ Threshing elements
- ☒ Separator grates
- ☒ Chopper
- ☒ Discharge beater, bearing, belt & sheaves
- ☒ Rotor & bearings
- ☒ Shoe frames & seals
- ☒ Hydraulic motor, hoses & fittings

## ☐ **Right-hand side**

- ☒ Primary countershaft bearing
- ☒ Front counter shaft belt, tensioner & pulleys
- ☒ Top covers - feeding, threshing & separating
- ☒ Cleaning fan housing, fins & bearings
- ☒ Cleaning fan adjustment motor, linkage & variable sheaves
- ☒ Calibrate tailings sensor

## ☐ **Operator's Station**

- ☒ Cab body
- ☒ Heater operation
- ☒ Air conditioning
- ☒ AC check for external plugging

## ☐ **CAB**

- ☒ Cab air filters - pre-cleaner, air filter & recirculating filter
- ☒ Steering column
- ☒ Calibrate
- ☒ Concave adjust
- ☒ Chaffer/sieve adjust
- ☒ Recheck trouble codes



# SPRAYER

**R 5 577.50**

VAT Incl



## ☐ **Control System**

- ✓ Stored codes

## ☐ **Electrical System**

- ✓ Battery
- ✓ Software
- ✓ Generator/alternator charging
- ✓ Wiring harnesses

## ☐ **Engine**

- ✓ Intake system, hose and clamps
- ✓ Turbo inspection
- ✓ Valve lash adjustment
- ✓ Pulleys and belts

## ☐ **Cooling System**

- ✓ Vari-cool fan
- ✓ Hoses and clamps
- ✓ Water pump
- ✓ Condition/Freeze point

## ☐ **Fuel System**

- ✓ Fuel leaks
- ✓ Fuel tests
- ✓ HPCR pump
- ✓ Engine power check

## ☐ **Front / Rear axle**

- ✓ Planetary hub condition LF
- ✓ Inspect steering bushings
- ✓ Axle liners and bushings/plates/shims
- ✓ Inspect suspension air springs (leaks)
- ✓ Hub lubricant

## ☐ **Hydrostatic**

- ✓ Inspect harness and sensors
- ✓ Pressure test system

## ☐ **Steering and Brakes**

- ✓ Steering operation
- ✓ Tie rod and drag link ends
- ✓ Record Toe In

## ☐ **Booms**

- ✓ Boom pivots check for wear and grease
- ✓ Boom structure check for damage
- ✓ Inspect solution plumbing
- ✓ inspect boom harness
- ✓ Inspect nozzles
- ✓ Inspect all cylinders

## ☐ **Sprayer systems and belly plumbing**

- ✓ Flowmeter - check function and sensor
- ✓ Check radar function
- ✓ Check the calibrations

## ☐ **Operator's Station**

- ✓ Cab body mounting
- ✓ Air conditioning

## ☐ **Miscellaneous**

- ✓ Suspension air pump
- ✓ Check grease point
- ✓ Recheck stored codes

# 8000 | 9000 SERIES TRACTORS

8000

**R 5 577.50**

VAT Incl

9000

**R 7 216.25**

VAT Incl



## ☐ **Control System**

- ☒ Stored codes

## ☐ **Electrical System**

- ☒ Software
- ☒ Battery cables/ends
- ☒ Generator/alternator charging
- ☒ Review misc. electrical components

## ☐ **Engine**

- ☒ Turbo inspection
- ☒ Valve lash adjustment
- ☒ Pulleys and belts

## ☐ **Cooling System**

- ☒ Vari-cool fan
- ☒ Hoses and clamps
- ☒ Water pump

## ☐ **Fuel System**

- ☒ Unit type injectors
- ☒ Fuel tests
- ☒ HPCR pump
- ☒ Engine power check

- ☒ Conduct engine misfire test if problems noted during power check

## ☐ **Power Train**

- ☒ System operating pressure
- ☒ Lube pressure
- ☒ Transmission operation

## ☐ **E18**

- ☒ Transmission element leak Test

## ☐ **Track**

- ☒ Track tension
- ☒ Track alignment
- ☒ Front idlers
- ☒ Mid rollers
- ☒ Pivot arms and bushing

## ☐ **Steering and Brakes**

- ☒ Steering operation
- ☒ Steering valve
- ☒ Front axle pivot bushings

## ☐ **Hitch and Hydraulic System**

- ☒ Main pump standby pressure
- ☒ Hydraulic pump flow test from SCV
- ☒ Cycle test
- ☒ Adjustments

## ☐ **Operator's Station**

- ☒ Cab body mounting
- ☒ Cab filter condition
- ☒ Heater operation
- ☒ Air conditioning
- ☒ System charge
- ☒ ROPS

## ☐ **Miscellaneous**

- ☒ Frame and weights
- ☒ Suspension air pump
- ☒ Check grease point
- ☒ Recheck stored codes

# 6000 | 7000 SERIES TRACTORS

**R5 013.25**

VAT Incl



## ☐ **Control System**

- ☒ Stored codes

## ☐ **Electrical System**

- ☒ Battery condition
- ☒ Battery cables/ends
- ☒ Alternator charging
- ☒ Lights/turn signals
- ☒ Wiring harnesses

## ☐ **Engine**

- ☒ Intake system, hose and clamps
- ☒ Air filters
- ☒ Turbo inspection
- ☒ Valve lash adjustment

## ☐ **Cooling System**

- ☒ Radiator
- ☒ Hoses and clamps
- ☒ Condition/Freeze point

## ☐ **Fuel System**

- ☒ Fuel leaks
- ☒ Fuel filters
- ☒ Engine power check

## ☐ **Power Train**

- ☒ System operating pressure
- ☒ Lube pressure
- ☒ Transmission operation
- ☒ PTO clutch and brake operation
- ☒ Front differential - MFWD
- ☒ Transmission sump screen

## ☐ **Steering and Brakes**

- ☒ Steering cylinders and hoses
- ☒ Tie rod and drag link ends
- ☒ Brake valves

## ☐ **Hitch and Hydraulic System**

- ☒ Main pump standby pressure
- ☒ Hydraulic pump flow test from SCV
- ☒ Adjustments
- ☒ Leaks

## ☐ **Operator's Station**

- ☒ Cab filter condition
- ☒ Heater operation
- ☒ Air conditioning
- ☒ System charge

## ☐ **Miscellaneous**

- ☒ Belt tensioners
- ☒ Wheels and tyres
- ☒ Wheel bolt torque
- ☒ Check grease point
- ☒ Recheck stored codes



# 30 | 40 | 50 | 60 SERIES TRACTORS

**R 5 031.25**

VAT Incl



## ☐ **Control System**

- ☒ Stored codes

## ☐ **Electrical System**

- ☒ Battery condition
- ☒ Generator/alternator charging
- ☒ Wiring harnesses

## ☐ **Engine**

- ☒ Turbo inspection
- ☒ Valve lash adjustment
- ☒ Crankshaft damper
- ☒ Pulleys and belts

## ☐ **Cooling System**

- ☒ Radiator
- ☒ Hoses and clamps
- ☒ Thermostats
- ☒ Fuel leaks
- ☒ Fuel filters
- ☒ Engine power check

## ☐ **Power Train**

- ☒ System operating pressure
- ☒ Transmission operation
- ☒ Transmission operation

## ☐ **PST, Power Quad, Auto Quad Transmission Models**

- ☒ Front differential - MFWD
- ☒ Transmission sump screen

## ☐ **Steering and Brakes**

- ☒ Steering operation
- ☒ Steering valve
- ☒ Front axle pivot bushings

## ☐ **Hitch and Hydraulic System**

- ☒ Hydraulic pump flow test from SCV
- ☒ Adjustments
- ☒ Cycle tests

## ☐ **Operator's Station**

- ☒ Cab filter condition
- ☒ Air conditioning
- ☒ System charge

## ☐ **Miscellaneous**

- ☒ Belt tensioners
- ☒ Sheet metal
- ☒ Wheels and tyres
- ☒ Wheel bolt torque

# 5000 SERIES TRACTORS

**R 2 645.00**

VAT Incl



## ☐ **Control System**

- ☒ Stored codes

## ☐ **Electrical System**

- ☒ Battery
- ☒ Battery cables/ends
- ☒ Alternator charging

## ☐ **Engine**

- ☒ Engine oil and filter
- ☒ Turbo inspection
- ☒ Oil leaks

## ☐ **Cooling System**

- ☒ Water pump + mechanical water pump
- ☒ Condition/Freeze Point

## ☐ **Fuel System**

- ☒ Fuel tank vent + breather
- ☒ Fuel filters
- ☒ Engine power check

## ☐ **Power Train Synchro Transmsion**

- ☒ Dry clutch
- ☒ System operating pressure
- ☒ Transmission operation
- ☒ Lube pressure
- ☒ Transmission/hydraulic/MFWD oil
- ☒ Transmission sump screen

## ☐ **Steering and Brakes**

- ☒ Steering operation
- ☒ Tie rod and drag link ends
- ☒ Record toe In
- ☒ Brake operation

## ☐ **Hitch and Hydraulic System**

- ☒ Main pump standby pressure
- ☒ Rockshaft/EH hitch operation
- ☒ Cycle tests

## ☐ **Operator's Station Cab/Oos**

- ☒ Cab body mounting
- ☒ Air conditioning

## ☐ **Miscellaneous**

- ☒ Frame and weights
- ☒ Check grease point

# PLANTER

**R 1 006.25**

**VAT Incl**

**Per Planting Unit**



## ☐ **Planters Covered by this inspection checklist**

- ☒ 1750 Planter Dry and Liquid Fertiliser (MaxEmerge Plus, XP)
- ☒ 1755 Planter Dry and Liquid Fertiliser (MaxEmerge5 Plus, XP)
- ☒ 1720 - 1770NT Series Planter (MaxEmerge Plus, XP Pro)
- ☒ FX Series Planter (MaxEmerge Plus, XP Pro)
- ☒ 1725 - 1775NT Planter Dry and Liquid Fertiliser (MaxEmerge5 Plus, XP)

## ☐ **Planter Inspection**

- ☒ MaxEmerge5 meter vacuum dome
- ☒ MaxEmerge5 seed knocker (Clip in type)
- ☒ MaxEmerge5 wheel arms
- ☒ MaxEmerge5 tru-vee opener
- ☒ MaxEmerge5 tru-vee opener shank
- ☒ General fertiliser opener
- ☒ MaxEmerge5, XP, XP Pro closing wheel - cast
- ☒ MaxEmerge5, XP, XP Pro closing wheel - rubber tyre
- ☒ MaxEmerge5 seed tube guide
- ☒ MaxEmerge5 chain sprocket - chain drive
- ☒ MaxEmerge5, XP, XP Pro gauge wheel narrow - spoke
- ☒ MaxEmerge5, XP, XP Pro gauge wheel - regular
- ☒ Seed disc

## WORKSHOPS

1.	ALIWAL-NORTH	051 633 4345
2.	BLOEMFONTEIN	051 441 0101
3.	BOTHAVILLE	056 515 2181
4.	BULTFONTEIN	051 853 1141 - 5/7
5.	HARTBEESFONTEIN	018 431 0690 - 2
6.	HARTSWATER	053 474 9600
7.	HERTZOGVILLE (sub-dealer)	053 421 9060
8.	HOOPSTAD	053 444 1929
9.	KOPPIES	056 777 2801
10.	KROONSTAD	056 216 0700
11.	LICHTENBURG	018 632 1106
12.	OTTOSDAL	018 571 0015
13.	PARYS	056 817 7325
14.	SCHWEIZER-RENEKE	053 963 2818/9/20
15.	UGIE	045 933 1035
16.	VENTERSDORP	018 264 2043
17.	WESSELSBRON	057 899 1851
18.	WOLMARANSSTAD	018 596 1470

## PARTS

1.	DELAREYVILLE (sub-dealer)	053 948 1924
2.	HEILBRON	058 852 3041 - 8
3.	JAN KEMPENDORP	053 456 1161
4.	OBERHOLZER	018 788 6606/9
5.	ODENDAALSRUS	057 354 2125
6.	PETRUSBURG	053 574 0130
7.	POTCHEFSTROOM	018 297 5381
8.	THEUNISSEN	057 733 0043
9.	VEREENIGING	016 455 1312 - 6
10.	VILJOENSKROON	056 343 3101 - 4
11.	WELKOM	057 3551731 - 2/4



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