

# **Maintenance Manual**

Self-propelled field sprayer
Pantera 7004



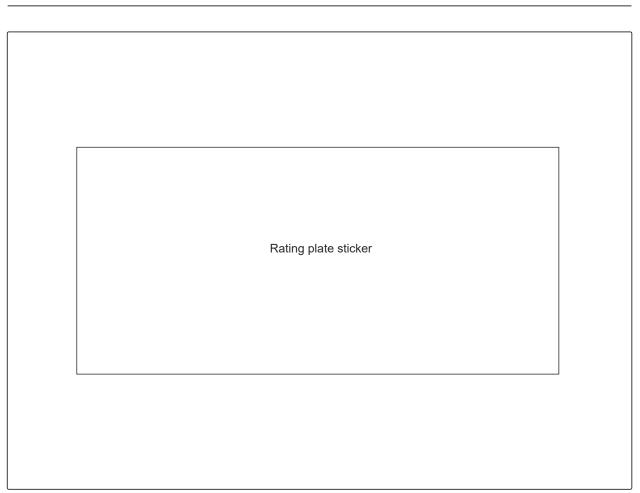


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# Initial operation CMS-T-00014676-A.1

Date of initial operation	Yes No Handover check performed
Procedure no.:	Document case present
Operating hours (engine)	Initial instruction has occurred
Supporting dealer	Service consultant, dealer
Phone	Phone
Date, signature,	stamp of the dealer



# **Technical data**

2

CMS-T-00014678-A.1

# 2.1 Operating liquids

CMS-T-00014562-B.1

Fuel			
Diesel:			
DIN 51628 or EN 590 with sulphur content up to max. 10 mg/kg			
ASTM D 975 grade 1-D S15 or ASTM D 975 grade 2-D S15 with sulphur content up to max. 15 mg/kg	290		
Light heating oil:			
According to EN 590 with sulphur content up to max. 10 mg/kg			
Fuel, with auxiliary diesel tank	400 l		
DEF	25		
Engine oil for Deutz engine	Approx. 23 I, see operating manual for Deutz engine		
Cooling liquid for Deutz engine	Approx. 38 I		
Hydraulic oil in the hydraulic system			
Finke AVIATICON HV 46			
Viscosity index of at least 150	Approx. 120 I in the hydraulic oil tank		
Purity class:	Approx. 180 I in the overall system		
9 according to NAS 1638			
• 18/16/13 according to ISO 4406/1999			
Wheel transmission oil			
EP oils MIL-L-2105 C or API GL5, SAE 80 W/90	Approx. 1.2 l		

#### 2 | Technical data Operating liquids

	870 g Coolant
Air conditioning system	5 g Contrast medium
	25 g Compressor oil
Oil for the spray liquid pump	
SAE 15W 40	2 x 1.7 l

#### Maintenance schedule

3

CMS-T-00014712-A.1

#### After the first 100 operating hours

Change the oil in the wheel gears

#### Every 250 operating hours / every 3 months

Change the Category 4 cab air filter and circulation filter

#### Every 500 operating hours / every 6 months

Perform maintenance measures E30 on the Deutz engine

#### Every 1000 operating hours / every 12 months

Perform maintenance measures E40 on the Deutz engine

Check the engine monitoring and warning system

Replace the fuel filter, fuel pre-filter, lubricant and lubricant filter

Check the oil level in the wheel gears

Check the hydraulic accumulator

Change the hydraulic oil

Check the hydraulic system

Replace the return filter in the oil tank

Replace the hydraulic pump pressure filter

Check hoses that convey spray liquid

Change the oil for the spray liquid pump

Check the valves of the spray liquid pump

Check the piston diaphragm of the spray liquid pump

Check the hub bearing

#### Every 2000 operating hours / every 2 years

Perform maintenance measures E50 on the Deutz engine

Replace the dry air filter

Check the air conditioning system

Check the coolant hoses

#### 3 | Maintenance schedule

#### Every 2000 operating hours / every 3 years

Replace the filter insert for the SCR feed pump

#### Every 4000 operating hours / every 4 years

Perform maintenance measures E55 on the Deutz engine

Replace the antifreeze

#### Every 6000 operating hours / every 4 years

Perform maintenance measures E60 on the Deutz engine

#### Every 9000 operating hours / every 4 years

Perform maintenance measures E70 on the Deutz engine

# Scope of maintenance CMS-T-00014680-A.1

# 4.1 Scope of maintenance after the first 100 operating hours

CMS-T-00014681-A.1

Scope of maintenance After the first 100 operating hours		Next inspection			
Date	Procedure no.:		Installer		
Operating hours			Area efficiency		
Change the oil in the wheel gears	Yes No	Other		Yes No	
Date, signature, stamp of the dealer					

### 4.2 Scope of maintenance according to interval

MS-T-00014682-A 1

Scope of maintenance		Next inspection			
Date	Procedure no.:		Installer		
Operating hours	Operating hours		Area efficiency		
Motor and oil filter replaced	Yes No	Air filter replaced		Yes No	
Deutz engine valves set	Yes No	Hydraulic pressure and suction filter replaced		Yes No	
Hydraulic oil replaced	Yes No	Other		Yes No	
Date, signature, stamp of the dealer					

CMS-I-00009371

Scope of maintenance		Next inspection			
Date	Procedure no.:	Installer			
Operating hours	Operating hours		Area efficiency		
Motor and oil filter replaced	Yes No	Air filter replaced		Yes No	
Deutz engine valves set	Yes No	Hydraulic pressure and suction filter replaced		Yes No	
Hydraulic oil replaced	Yes No	Other		Yes No	
Date, signature, stamp of the dealer					

Scope of maintenance		Next inspection			
Date	Procedure no.:		Installer		
Operating hours			Area efficiency		
Motor and oil filter replaced	Yes No	Air filter replaced		Yes No	
Deutz engine valves set	Yes No	Yes Hydraulic pressure and suction filter replaced		Yes No	
Yes No Hydraulic oil replaced		Other		Yes No	
Date, signature, stamp of the dealer					
				CMC Loopon	

Scope of maintenance		Next inspection			
Date	Procedure no.:		Installer		
Operating hours			Area efficiency		
Motor and oil filter replaced	Yes No	Air filter replaced		Yes No	
Deutz engine valves set	Yes No	Hydraulic pressure and suction filter replaced		Yes No	
Hydraulic oil replaced	Yes No	Other		Yes No	
Date, signature, stamp of the dealer					

#### 4 | Scope of maintenance Scope of maintenance according to interval

Scope of maintenance		Next inspection			
Date	Procedure no.:		Installer		
Operating hours			Area efficiency		
Motor and oil filter replaced	Yes No	Air filter replaced		Yes No	
Deutz engine valves set	Yes No	Hydraulic pressure and suction filter replaced		Yes No	
Yes No Hydraulic oil replaced		Other		Yes No	
Date, signature, stamp of the dealer					

CMS-I-00009371

Scope of maintenance		Next inspection		
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Date, signature, stamp of the dealer						

# Directories

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