

Instructions manual

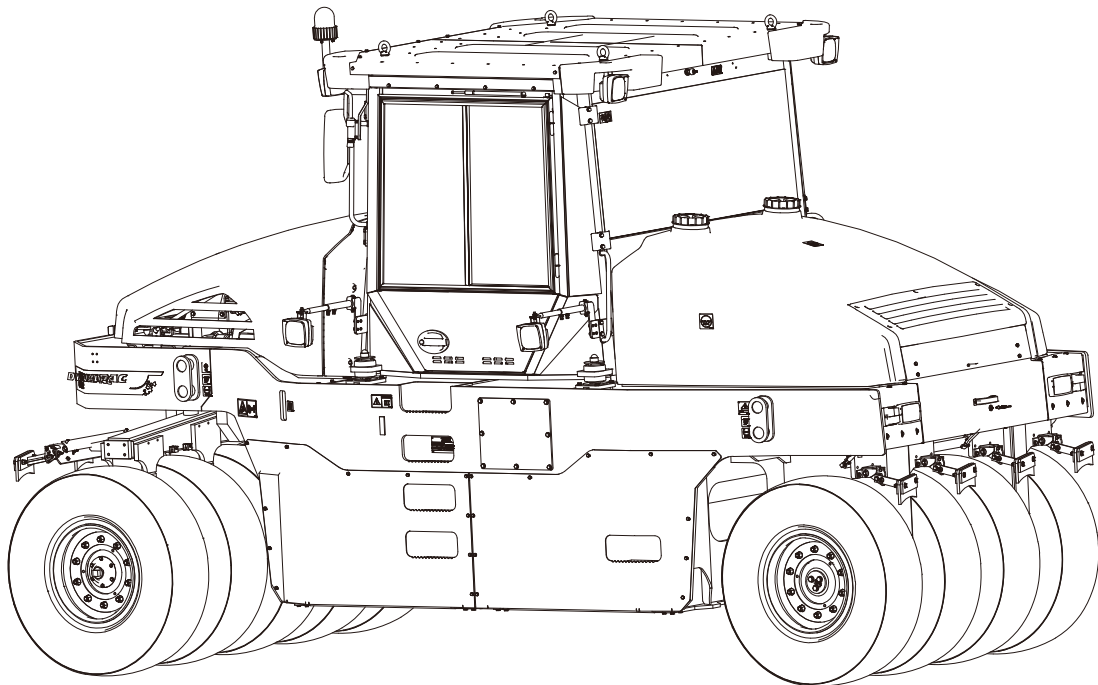
Operating & Maintenance

4812273203.pdf

**Rubber wheel roller
CP275 (IIIA/T3)**

**Diesel engine
Cummins QSB4.5-C130**

**Serial number
10000509x0C003425 -**



Original instructions.

Reservation for changes

Printed in China

Table of contents

Instruction	1
The machine.....	1
Intended use.....	1
Warning symbols.....	1
Safety information.....	2
General.....	3
Safety – General instructions	5
Safety – when operating	7
Slopes.....	7
Driving near edges.....	8
Safety (Optional)	9
Air conditioning (Optional).....	9
Special instructions	11
Special instructions.....	11
Standard lubricants and other recommended oil and fluids.....	11
High ambient temperatures, above +40°C (104°F).....	11
Lower ambient temperature – Freeze risk.....	11
Temperatures.....	11
High pressure cleaning.....	12
Fire fighting.....	12
Roll Over Protective Structure (ROPS), ROPS approved cab.....	12
Jumping starting (24V).....	14
Technical specifications	15
Technical specifications.....	15
Noise level.....	15
Technical specifications - Dimensions.....	16
Weights and volumes.....	17
Working capacity.....	18

General.....	18
Tightening torques	19
Machine description.....	21
Identification	21
Product identification number on the frame.....	21
Machine plate	21
Explanation of 17PIN serial number	22
Engine plate	22
Safety decals.....	24
Locations – Control panel and controls	27
Locations & control, cab.....	28
Function description of instruments and controls in the cab	29
Using the cab controls.....	30
Defroster	30
Heat	30
AC.....	30
Electrical system	31
Fuse.....	32
Cab, fuse.....	32
Operation.....	33
Before starting.....	33
Master switch – Switching on.....	33
Before starting.....	34
1. Control panel and lights - Check.....	34
2. Forward and backward lever - Check	34
3. Parking brake - Check.....	35
View	35
Operator position	36
Interlock	36
Operating the roller	37

Speed selecting	37
Operating on a slope	38
Checking the treads on the tires	39
Variable tire pressure (air-on-the-run) (Option)	39
Ballast box	40
Driving (Ground Pressure).....	41
Ground pressure	41
Low tire pressure – 380kPa (55 psi)	42
Normal tire pressure – 510kPa (70 psi)	43
High tire pressure – 780kPa (78 psi)	43
Interlock/Emergency stop/Parking brake - Check.....	44
Normal braking	44
Emergency braking	45
Switching off	45
Chocking the wheels	45
Master switch	46
Long-term parking	47
Miscellaneous	49
Lifting	49
Lifting the roller.....	49
Lifting the roller with jack	49
Roller prepare for transport	50
Towing the roller	52
Operating instructions - Summary	53
Preventive maintenance	55
Maintenance – Lubricants and symbols	57
Maintenance – Maintenance schedules	59
Service and maintenance points	59
General.....	60
Every 10 hours of operation (Daily).....	60

After the FIRST 50 hours of operation.....	61
Every 50 hours of operation (Weekly)	61
Every 250 hours of operation (Monthly)	62
Every 500 hours of operation (Every three months)	62
Every 1000 hours of operation (Every six months).....	63
Every 2000 hours of operation (Yearly)	64
Maintenance – 10h	65
Diesel engine – Check oil level	65
Hydraulic reservoir – Check fluid level.....	66
Coolant level – Check	66
Fuel tank – Refueling	67
Wheel scrapers – Control	68
Removing the scrapers.....	68
Water tank, std – Filling	69
Sprinkler system – Check	69
Sprinkler system	70
Cleaning of sprinkler nozzle	70
Sprinkler system - Check	70
Sprinkler system – Freeze risk	71
Freeze protection	71
Brake fluid level – Check	72
Tires - Tire pressure	72
Maintenance – 50h	73
Air cleaner – Cleaning	73
Hydraulic fluid cooler – Checking – Cleaning.....	74
Fuel filter – Draining	75
Air conditioning (Optional) – Drying filter – Inspection	76
Air conditioning (Optional) - Cleaning.....	76
Air conditioning (Optional) - Overhaul	77
Air conditioner compressor belt – Check.....	77

Upper/Lower Pivot bearing - Lubrication	78
Draining of air reservoir	79
Tires – Tire pressure.....	80
Maintenance – 250h	81
Fuel filter – Replacing	81
Diesel engine – Oil change	82
The engine fuel filter – Changing/cleaning	83
Diesel engine – Replacing oil filter	83
Oil – Water separator – Draining	84
Oil – Water separator – Replace.....	84
Battery – Check condition	85
Driven chain maintenance	86
Driving gear – Check oil level	87
Maintenance – 500h	89
Hydraulic reservoir – Check.....	89
Maintenance – 1000h.....	91
Air cleaner – Checking – Change the main air filter.....	91
Hydraulic filter – Change	92
Cab – Fresh air filter - Replacing.....	93
Wheel gear – Oil change	93
Drive gear – Replenishing the oil	94
Propulsion pump filter – Replace.....	94
Maintenance – 2000h.....	95
Engine – Replace the coolant	95
Hydraulic reservoir – Fluid change	96
Water tank – Cleaning.....	97
Cab – Fresh air filter - Replacing.....	98
Hydraulic oil change.....	98
Drive chain – Adjustment.....	99
Additional instruction.....	101

Contents

Oil spray system (Optional)	101
Spray volume – Adjustment.....	102
Maintenance – Oil spray system (Optional).....	102
Temporary cleaning.....	102
Air on the run (Optional)	103
Air charge and discharge.....	104
Maintenance – Air on the run (Optional).....	104
Disposal	107