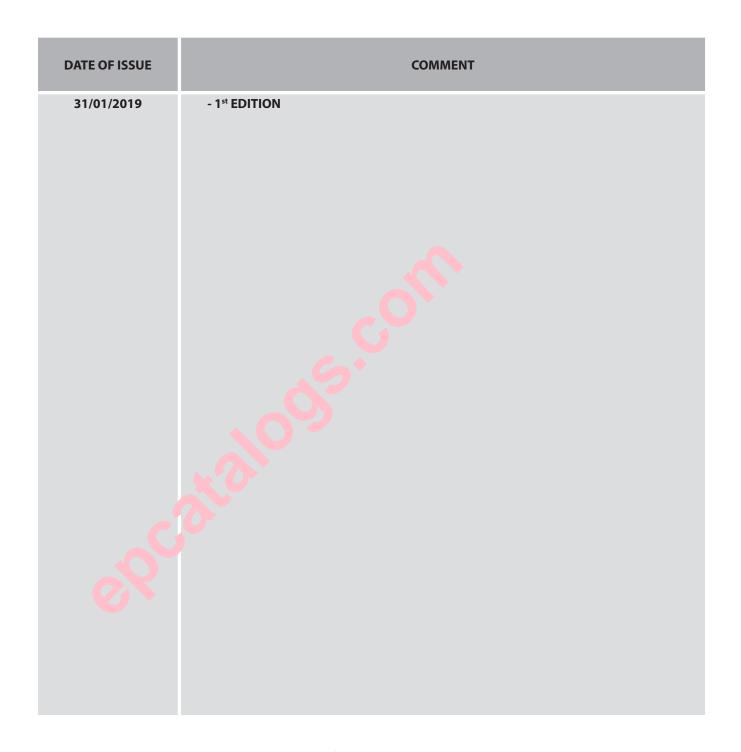


C 47701FN (24/04/2010)

MT 420 H 57K ST5 S1 MT 420 H TSS 57K ST5 S1 (RS4-14)



**REPAIR MANUAL** 



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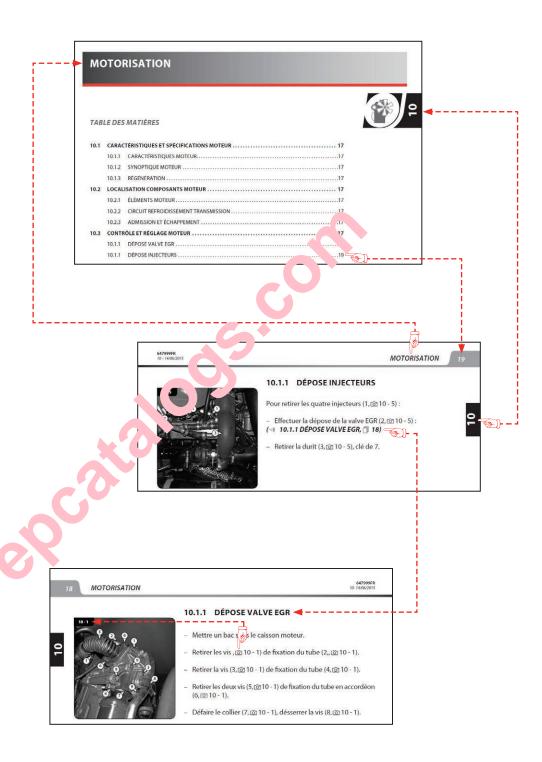
## GENERAL, CHARACTERISTICS AND SAFETY **ENGINE TRANSMISSION AXLE BRAKE BOOM** HYDRAUCICS **ELECTRICITY DRIVER'S CAB**

OPTIONS - ATTACHMENTS

**FRAME - BODYWORK** 



## INTERACTIVE REPAIR MANUAL



## LIST OF ABBREVIATIONS

° Angle degree

**Ω** Ohm: unit of electrical resistance, equal to V.A<sup>-1</sup>.

A Ampere: unit of measurement for electrical current intensity. It is one of the

basic International System (SI) units.

AOC Ammonia Oxidation Catalysts: elimination of the excess ammonia (NH<sub>2</sub>)

by oxidation from combustion gases having undergone selective catalytic

reduction (SCR) of nitrogen oxides (NOx), by injection of DEF.

**APC** After Power Contact: positive power supply after switching on the ignition.

Bloc Manipulateur ÉlectroProportional - Electro-proportional joystick unit:

controls the hydraulic movements of lowering, lifting, tilting and digging by

electronic sensors.

CAN Controller Area Netwo 'control communication network for inter-system

communication (J193), Open, etc.).

Carbon Mo ox. 'e: colourless, odourless and highly toxic gas.

**CRC** Con for Rive Control: Boom suspension.

**CVT** (27) Yuous Variable Transmission.

**DEF**Lesel Exhaust Fluid: aqueous solution consisting of 32.5% urea and 67.5%

demineralised water, used to transform 85% of pollutants (NOx) into water

vapour (H<sub>2</sub>O) and harmless nitrogen (N<sub>2</sub>).

Diesel Oxide Catalyst: part of the exhaust gas filter or a post-treatment device

used to reduce polluting emissions (HC and CO).

**DPF** Diesel Particulate Filter : ⋖ FAP.

**DSB** Double Switch Board: smart double switch board connected to a LIN network

via a wiring harness.

**DTC** Diagnostic Trouble Code: fault codes

**ECM/ECU** Electronic or Engine Control Module/Unit: ECU making it possible to control

the machine or the engine.

**EGR** Exhaust Gaz Recirculation: Exhaust gas recirculation circuit to intake to reduce

oxygen supply and reduce NOx.

**FAP** Filtre À Particule (= Diesel Particulate Filter): filtration system used to trap fine

particles, carcinogenic for humans, contained in combustion gases, particular

from wood fires and Diesel engines.

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