



**jaltest**  
**OHW**  
OFF-HIGHWAY VEHICLES

INNOVATIONS 26.1

# SOFTWARE INNOVATIONS

## GRP WEB, the new DMS platform for managing your workshop

### Your workshop management, now 100% online

The GRP application evolves from your desktop to a **more powerful, accessible and flexible web portal.**

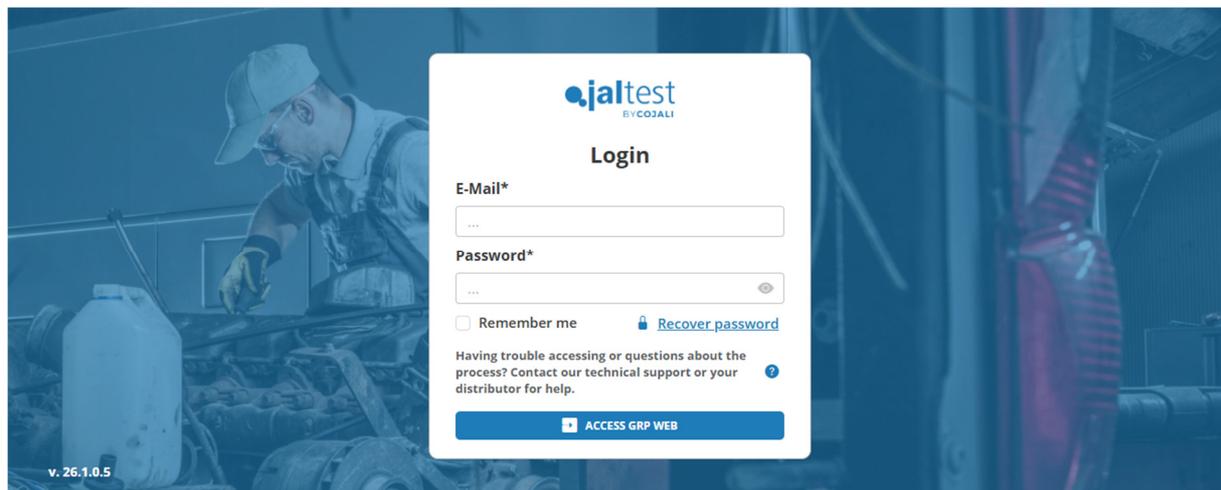
- Access from anywhere, without installations.
- All GRP functionalities and new enhancements in a single environment.
- Guided configuration with intelligent assistant.
- Customisation and configuration according to your needs.
- Agile management of users, company data and work orders.

More freedom. More control. More productivity.

Discover the new Jaltest GRP Web experience. Click on the link to access:

<https://grp.jaltest.com/en/login>

Access from the Jaltest Diagnostics software is also available through the button located in the same place as in previous versions.



## OTHER SOFTWARE INNOVATIONS

- New improvements in unattended upgrades supporting new possible scenarios; language package installations, support for intermediate upgrades and data backup import.
- Adaptation of Jaltest Link V9 device drivers to new vehicle and communication architectures.
- Service improvements and support to Jaltest Central Services.

Take into account that this document is only a summary of the most relevant information of this new version. For further information, please visit Jaltest Report or Jaltest website coverage.

## BRANDS AND MODELS

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### OHW - HEAVY EQUIPMENT

This version includes **ASTEC, DALI, MAIT, METSO, SHANTUI** and **SUPERTRAK** brands.

In addition, this version expands the number of models in **AMMANN, BELL, CASE CE, DOOSAN, HITACHI, HYDREMA, LIEBHERR** and **TERBERG** brands.

### OHW - COMPACT EQUIPMENT

This version includes the **SHANTUI** brand.

In addition, this version expands the number of models in **CASE CE, JCB** and **SANY** brands.

### STATIONARY ENGINE

The number of models in **CATERPILLAR** and **DEUTZ** brands has been expanded.

### MULTI-PURPOSE VEHICLE

This version includes the **COMAC** brand.

The number of models in **BUCHER** and **HAKO** brands has been expanded.

# DIAGNOSTICS AND SYSTEMS

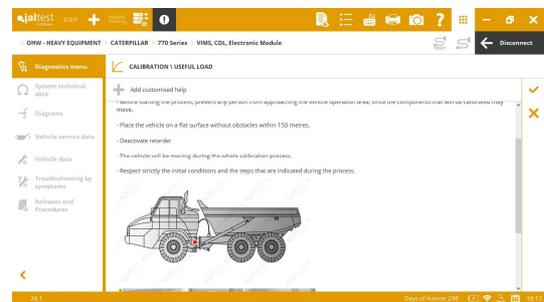
## OHW - HEAVY EQUIPMENT

### AMMANN

**DEUTZ EMR4 EDC17 CV52** (on SAE J1939) engine control system, fault counter reset of the exhaust gas aftertreatment system in the diesel particulate filter and NOx sensors.

### CATERPILLAR

- ⊕ **C-13B** (on SAE J1939) engine control system, new system.
- ⊕ **MCM** (on SAE J1939) central computer for **900 Series** track loaders.
- ⊕ **VIMS** (on CDL) electronic module in the **770 Series** model.



New **fault code troubleshooting guides** in the **C-9.3B** (on SAE J1939) system.

### DEVELON

- ⊕ **ZF EC3 Ergopower** transmission in **DA30-7** and **DA40-7** models.

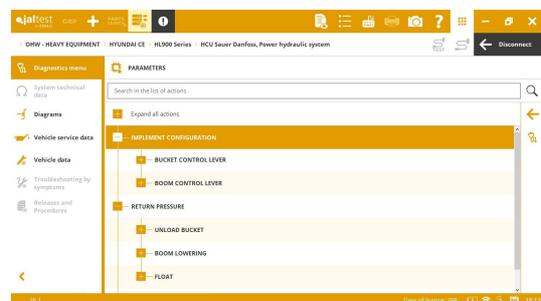
### DOOSAN

- ⊕ **ZF CVT EC3 cPower** transmission in the **DL400 Series** model.

### HYUNDAI CE

- ⊕ **ZF EC4 Ergopower** transmission in **HL700 Series** and **HL900 Series** models.

In the **HCU Sauer Danfoss** hydraulic system for **HL900 Series** wheel loaders, implement configuration parameters have been added.



New wiring diagrams are available for **HL900 Series** wheel loaders.

## JCB

- ⊕ **IC** (on SAE J1939) instrument cluster in **400 Series** models.
- ⊕ **DECU** (on SAE J1939) instrument cluster in **X Series** models.

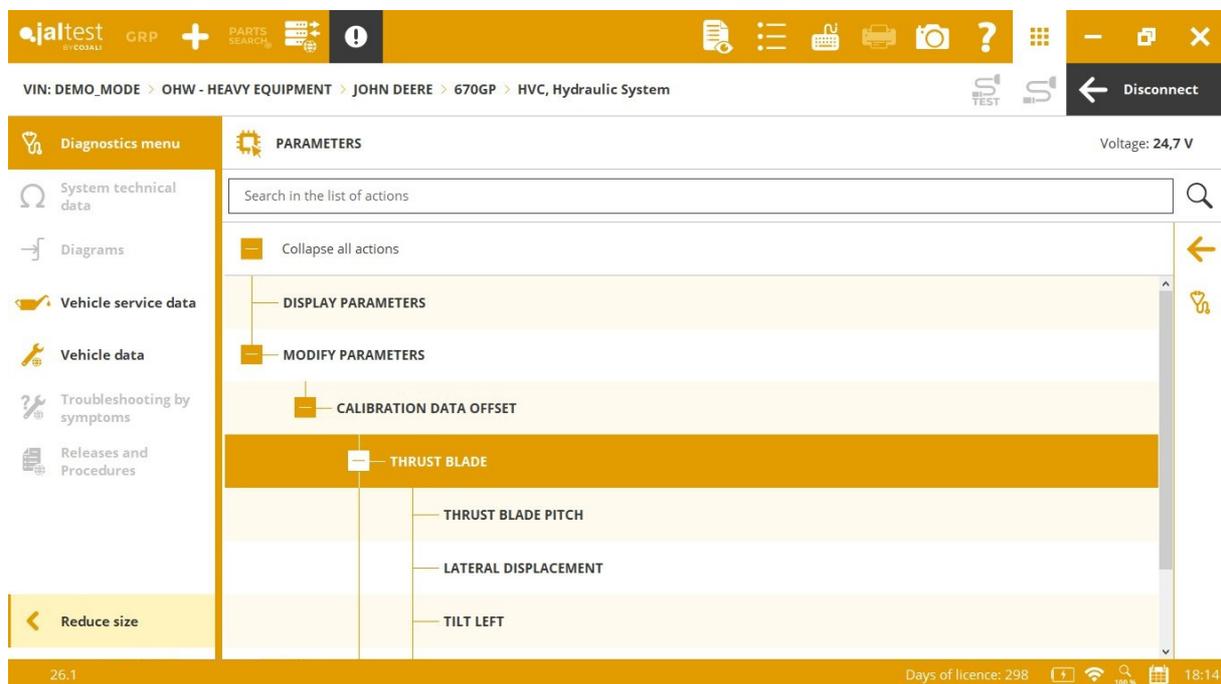
Wiring diagrams for wheel loaders, compactors, crawl excavators and wheel excavators.

## JOHN DEERE CE

New systems have been added in different model series:

- ⊕ **OC3** (on SAE J1939) control panel for motor graders.
- ⊕ **ADU** (on SAE J1939) instrument cluster for motor graders.
- ⊕ **RFC** (on SAE J1939) bodywork module for dampers.
- ⊕ **VC2** (on SAE J1939) central computer for **E Series** dampers.
- ⊕ **ATC** (on SAE J1939) climate control unit for dampers.
- ⊕ **RET** (on SAE J1939) retarder for **E and P Series** dampers.
- ⊕ **PDU** (on SAE J1939) display for motor graders.

**HVC** (on SAE J1939) hydraulic system, OFFSET configuration and calibration for motor graders.

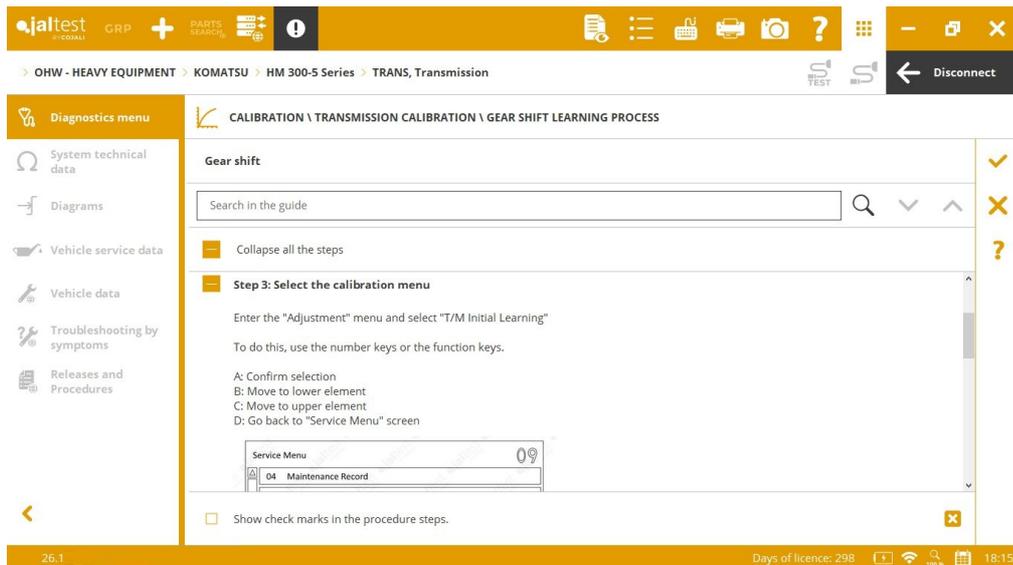


In addition, this version includes technical data in new **John Deere CE** engine types.

## KOMATSU

**BBC** (on SAE J1939) hydraulic system for monitor R, measurements, parameters, calibrations and maintenance services in **WA400-7** and **WA500-7 Series** models.

⊕ **TRANS** (on SAE J1939) transmission for monitor R in **HM300-5** and **HM400-5 Series** models.



## LIEBHERR

⊕ **ZF EC3 Ergopower** transmission in **TA230** and **TA240** models.

## LIUGONG

⊕ **ZF EC4 Basicpower** transmission in the **862H** model.

## METSO

**CATERPILLAR C-2.2** (on SAE J1939) engine control system, operation data, activations, checks and maintenance operations.

## PONSSE

⊕ **ZF CVT EC3 cPower** transmission in the **BISON ACTIVE FRAME** model.

## VOLVO CE

**EMS V3 Volvo Penta** (on SAE J1939) engine control system, SCR catalytic converter cleaning process.

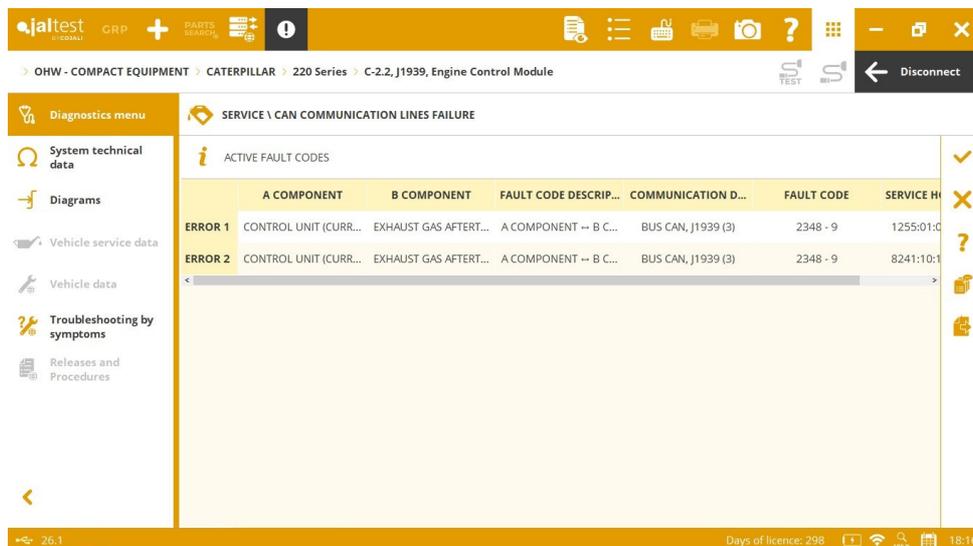
## OHW - COMPACT EQUIPMENT

### AUSA

**DEUTZ EMR4 EDC17 CV52** (on SAE J1939) engine control system, fault counter reset of the exhaust gas aftertreatment system.

### CATERPILLAR

**CATERPILLAR C-2.2** (on SAE J1939) engine control system, operation data, activations, checks and maintenance operations in the **200 Series** model.



### HANSA

⊕ **FPT EDC 17 C49** (on SAE J1939) engine control system.

### JCB

⊕ **IC** (on SAE J1939) instrument cluster in **400 Series** models.

⊕ **DECU** (on SAE J1939) instrument cluster in **X Series** models.

Wiring diagrams for wheel loaders, compactors, crawl excavators and wheel excavators.

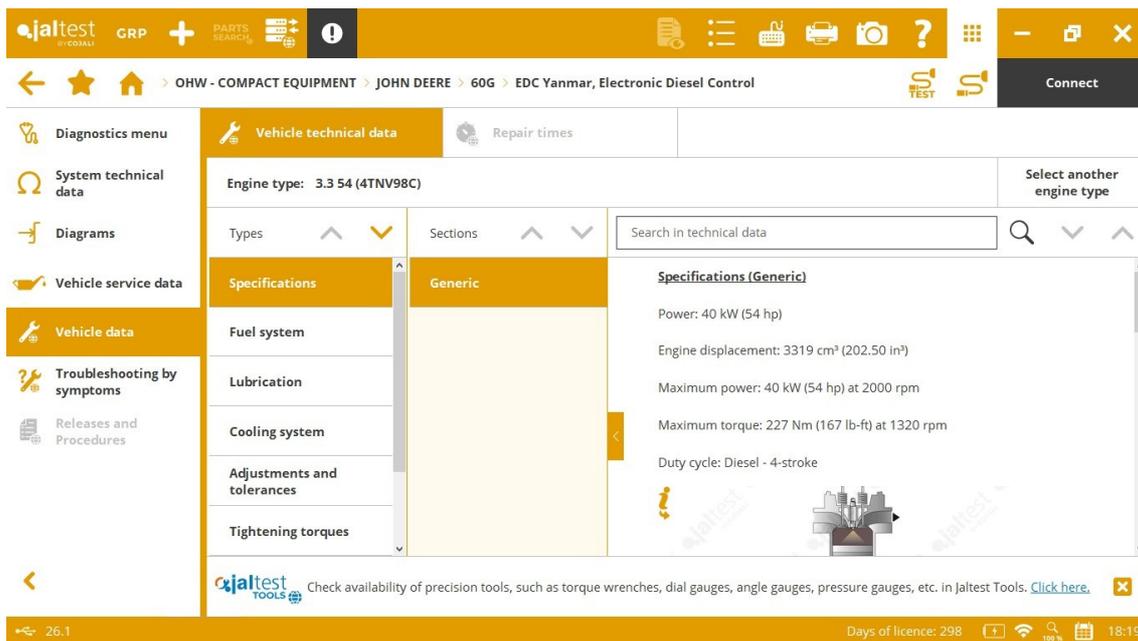
## JOHN DEERE CE

- ⊕ **HVS** (on SAE J1939) climate control unit for **L and P Series** dozers.
- ⊕ **EHC** (on SAE J1939) power hydraulic system for **K Series** dozers.
- ⊕ **ROD** (on SAE J1939) electronic module for **L and P Series** wheel loaders.
- ⊕ **AVC** (on SAE J1939) hydraulic system for backhoe loaders.
- ⊕ **OC4** (on SAE J1939) control panel for backhoe loaders.

**ECU EUI (Level 18 – Tier 3 / Stage IIIA)** (on SAE J1939) engine control system, cylinder cut-out.

**FLC** (on SAE J1939) central computer, hydraulic fan check and in **CMU** (on SAE J1939) central computer, warning buzzer activation for **J Series** wheel loaders.

In addition, this version includes technical data in new **John Deere CE** engine types.



## MECALAC

- ⊕ **BCHT** (on SAE J1939) hydraulic system for wheel excavators.

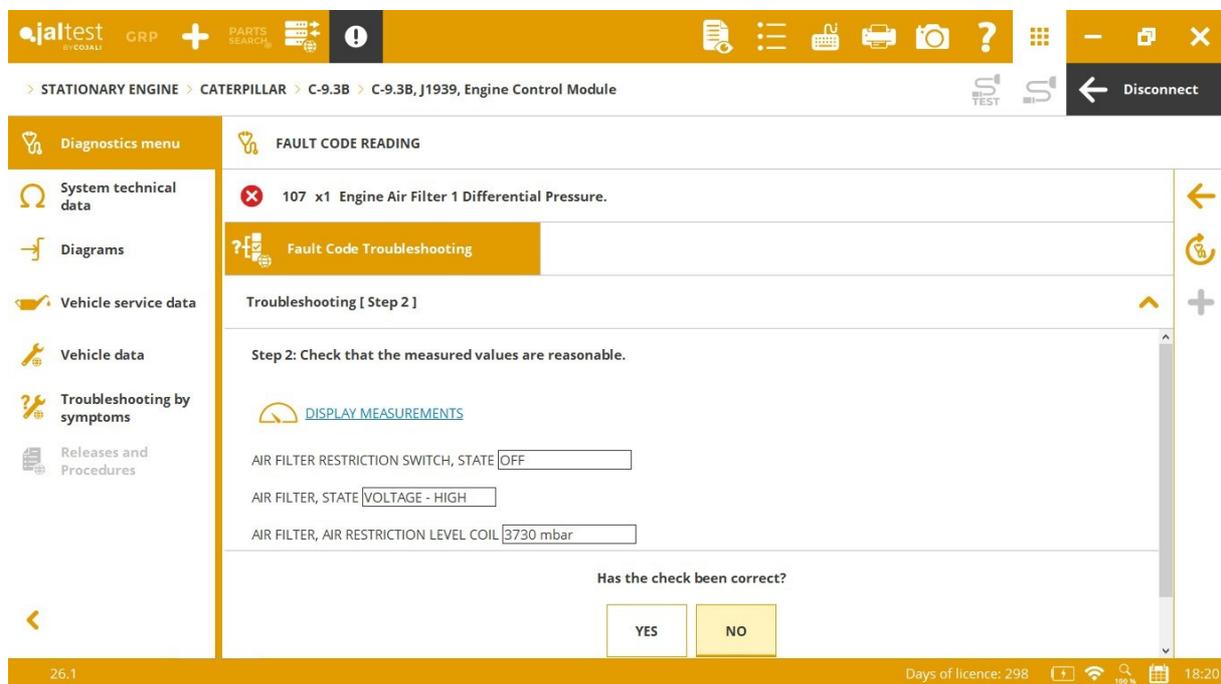
## WACKER NEUSON

**PERKINS 403D, 404D, 403F, 404F** (on SAE J1939) engine control system, accelerator parameter configuration.

**DEUTZ EMR4 EDC17 CV52** (on SAE J1939) engine control system, fault counter reset of the exhaust gas aftertreatment system in the diesel particulate filter and NOx sensors.

## STATIONARY ENGINE

**Fault code troubleshooting guides** have been added in the **C-9.3B** system.



The screenshot shows the jaltest diagnostic software interface. The top navigation bar includes the jaltest logo, GRP, a plus sign, PARTS SEARCH, and a warning icon. The breadcrumb trail reads: STATIONARY ENGINE > CATERPILLAR > C-9.3B > C-9.3B, J1939, Engine Control Module. The left sidebar contains a 'Diagnostics menu' with options: System technical data, Diagrams, Vehicle service data, Vehicle data, Troubleshooting by symptoms, and Releases and Procedures. The main content area is titled 'FAULT CODE READING' and displays a red 'x' icon next to the fault code '107 x1 Engine Air Filter 1 Differential Pressure'. Below this, a 'Fault Code Troubleshooting' section is active, showing 'Step 2: Check that the measured values are reasonable.' and a 'DISPLAY MEASUREMENTS' button. The measurements listed are: AIR FILTER RESTRICTION SWITCH, STATE OFF; AIR FILTER, STATE VOLTAGE - HIGH; and AIR FILTER, AIR RESTRICTION LEVEL COIL 3730 mbar. At the bottom, a question asks 'Has the check been correct?' with 'YES' and 'NO' buttons. The bottom status bar shows '26.1', 'Days of licence: 298', and the time '18:20'.

## DEUTZ

⊕ **EMR5 EDC MD1 CE101** (on SAE J1939) engine control system in **TCD 12.0** and **TCD 16.0** models.

System Display of the **EMR5 EDC MD1-CC878** (on SAE J1939) (DOC + DPF + SCR) exhaust gas aftertreatment system.

## JOHN DEERE

**ECU EUI (Level 18 – Tier 3 / Stage IIIA)** (on SAE J1939) engine control system, cylinder cut-out.

## PERKINS

**402D, 403D, 404D, 403F, 404F** (on SAE J1939) engine control system, accelerator parameter configuration.

## VOLVO PENTA

**EMS V3 Volvo Penta** (on SAE J1939) engine control system, SCR catalytic converter cleaning process.

The screenshot shows the jaltest diagnostic software interface. The top navigation bar includes the jaltest logo, GRP, a plus sign, PARTS SEARCH, and a warning icon. The main navigation area shows the path: STATIONARY ENGINE > VOLVO PENTA > TAD8XY VE, engine: Tier 5/Stage V > EMS V3, Engine Control Module. A 'Disconnect' button is visible in the top right.

The left sidebar contains a 'Diagnostics menu' with options: System technical data, Diagrams, Vehicle service data, Vehicle data, Troubleshooting by symptoms, and Releases and Procedures.

The main content area displays the 'MAINTENANCE \ SCR CATALYTIC CONVERTER CLEANING' process. It shows a 'PLEASE, WAIT...' status with a checkmark. Below this, 'INITIAL CONDITIONS:' are listed:
 

- THE ENGINE HAS TO BE AT IDLE
- PARKING BRAKE ACTIVATED (IF THE COMPONENT IS INSTALLED)
- FORWARD/REVERSE LEVER IN NEUTRAL (IF THE COMPONENT IS INSTALLED)
- THE COOLANT FLUID TEMPERATURE MUST BE HIGHER THAN 70 °C (158 °F)

 A message states: 'PRESS CONTINUE AND THE PROCESS WILL BEGIN.'

Real-time data is shown in a table:

ENGINE SPEED	160 rpm
BATTERY VOLTAGE	4 V
ENGINE COOLANT TEMPERATURE, SENSOR 1	143 °C

Below the table, another 'PLEASE, WAIT...' status is shown. At the bottom, the process is identified as 'SULFATION RECOVERY PROCESS OF THE EXHAUST GAS AFTERTREATMENT SYSTEM: IN PROGRESS' and 'SCR CATALYTIC CONVERTER CLEANING (ADBLUE/DEF CRYSTALLISATION)'.

The bottom status bar shows '26.1' on the left, 'Days of licence: 298' in the center, and system icons (Wi-Fi, 100% battery, calendar) on the right with the time '18:24'.