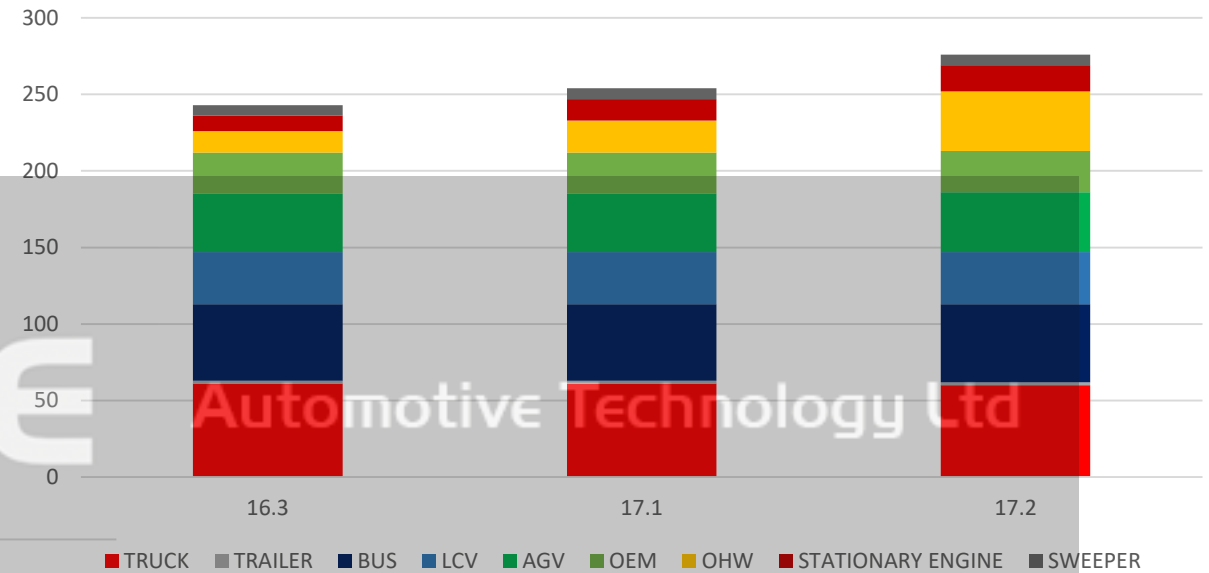Jaltest Soft 17.2
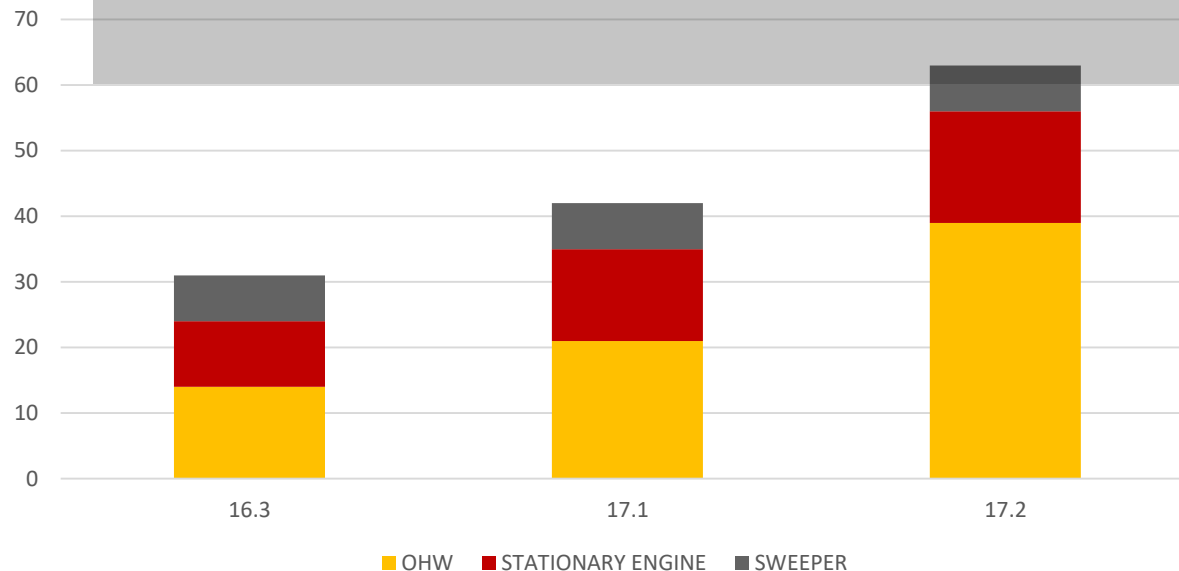
06.2017

Index

0.1 Evolution in numbers

Each other version:
- Increase of expert functions
- Better brands, models coverage
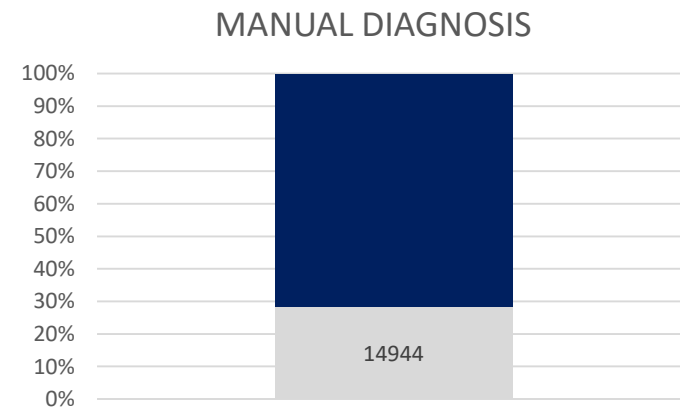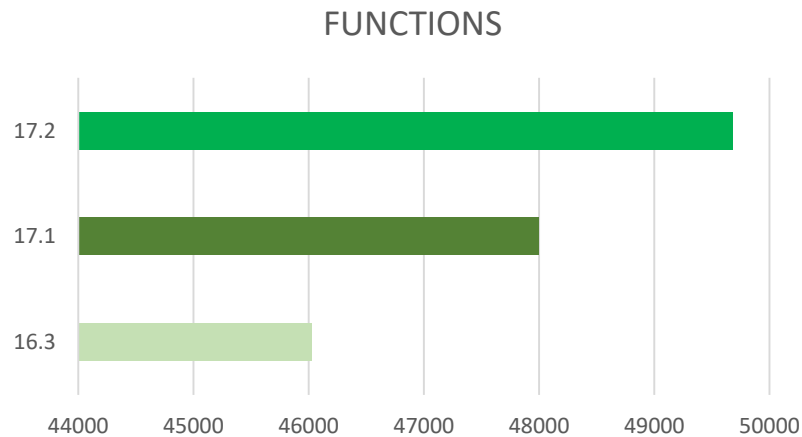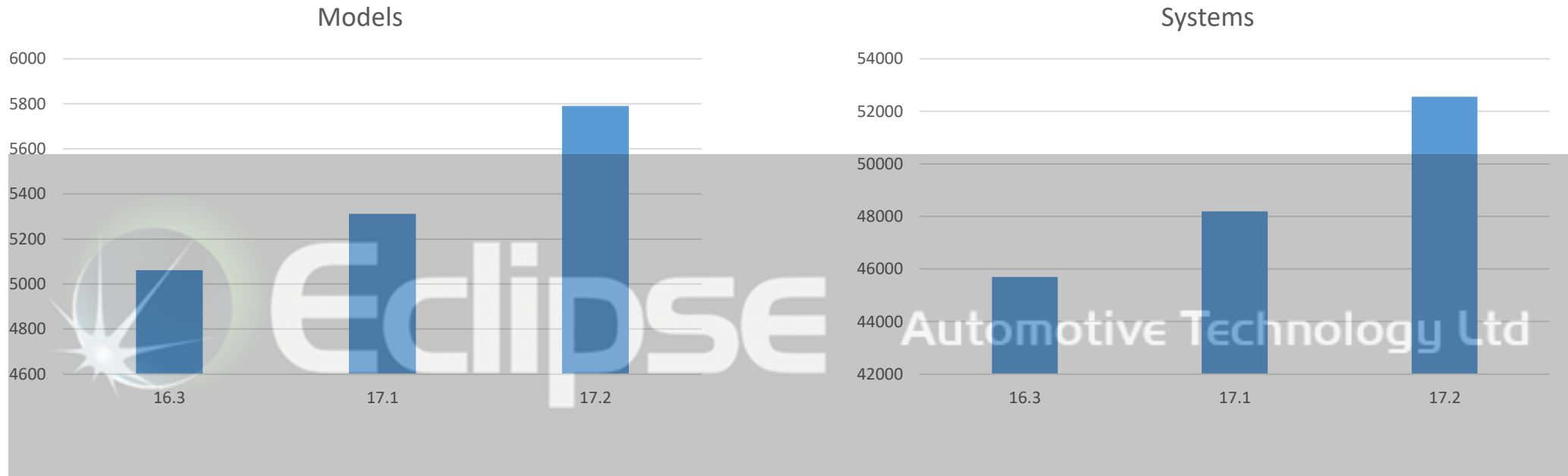- New Troubleshooting, procedures…
- Specific Jaltest Technical Info
…and much more

Brands (All type of vehicles)

Legend: TRUCK, TRAILER, BUS, LCV, AGV, OEM, OHW, STATIONARY ENGINE, SWEEPER

Brands (OHW)

Legend: OHW, STATIONARY ENGINE, SWEEPER
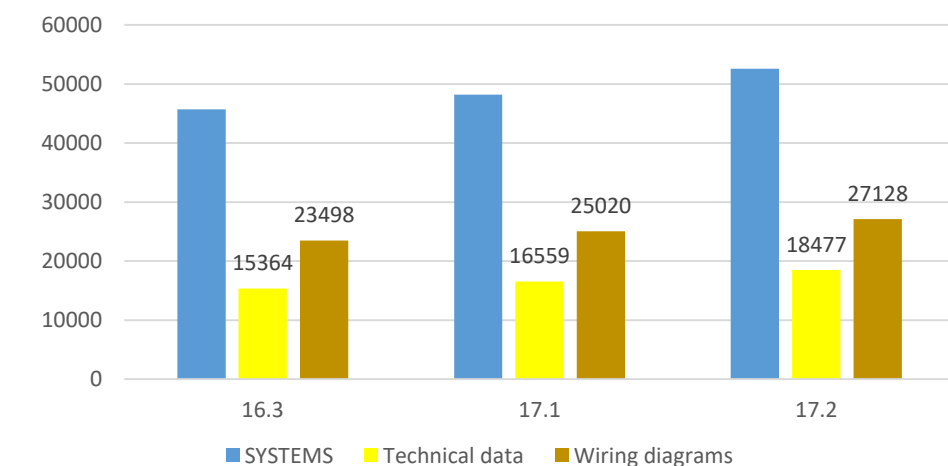
0.2 Evolution in numbers:
Diagnosis coverage, models, systems, functions …

Models

Systems

FUNCTIONS

MANUAL DIAGNOSIS

0.3 Evolution in numbers:
Info such as technical data, wiring diagrams, …

ENGINE TYPE TECHNICAL DATA

TroubleShootings by Errors

Systems Technical Info

DTCs with INFO
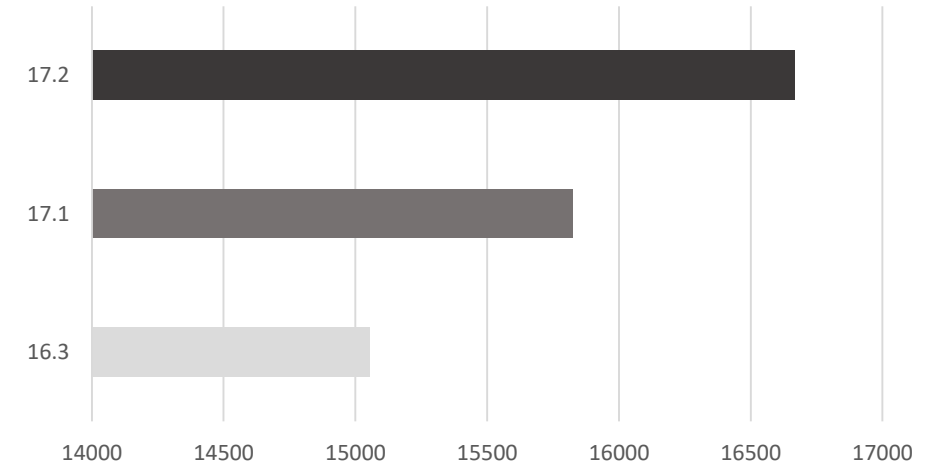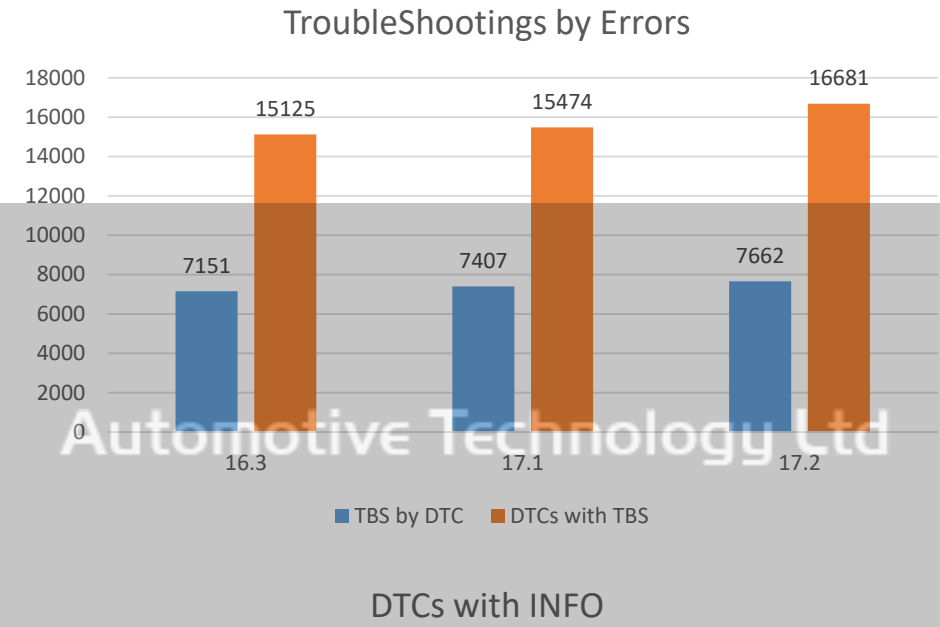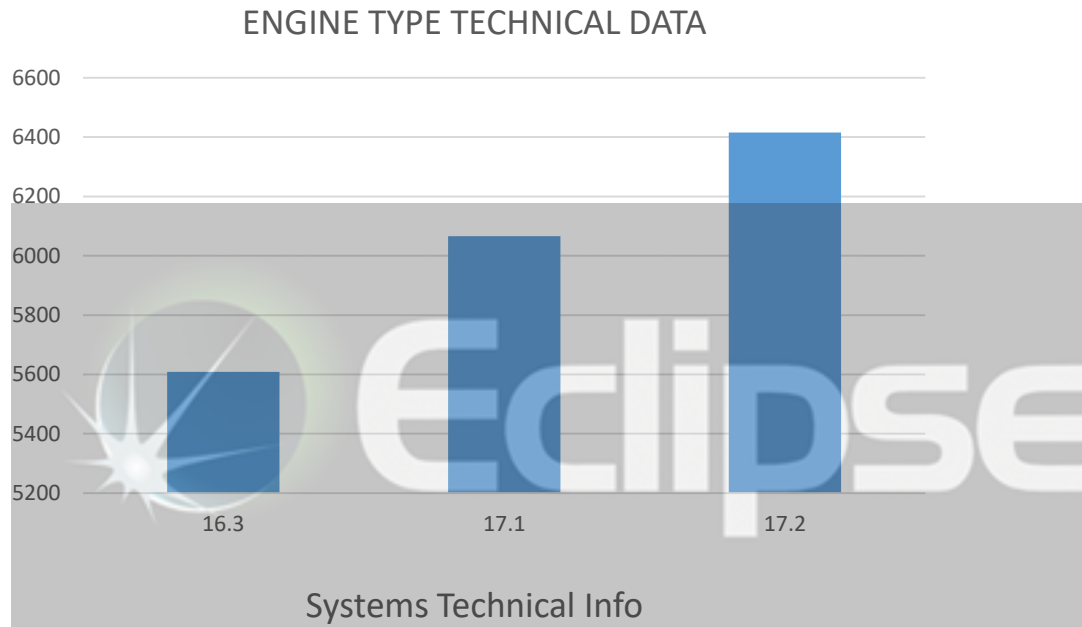
1.1 Software innovations:
New configuration of the diagnosis reports
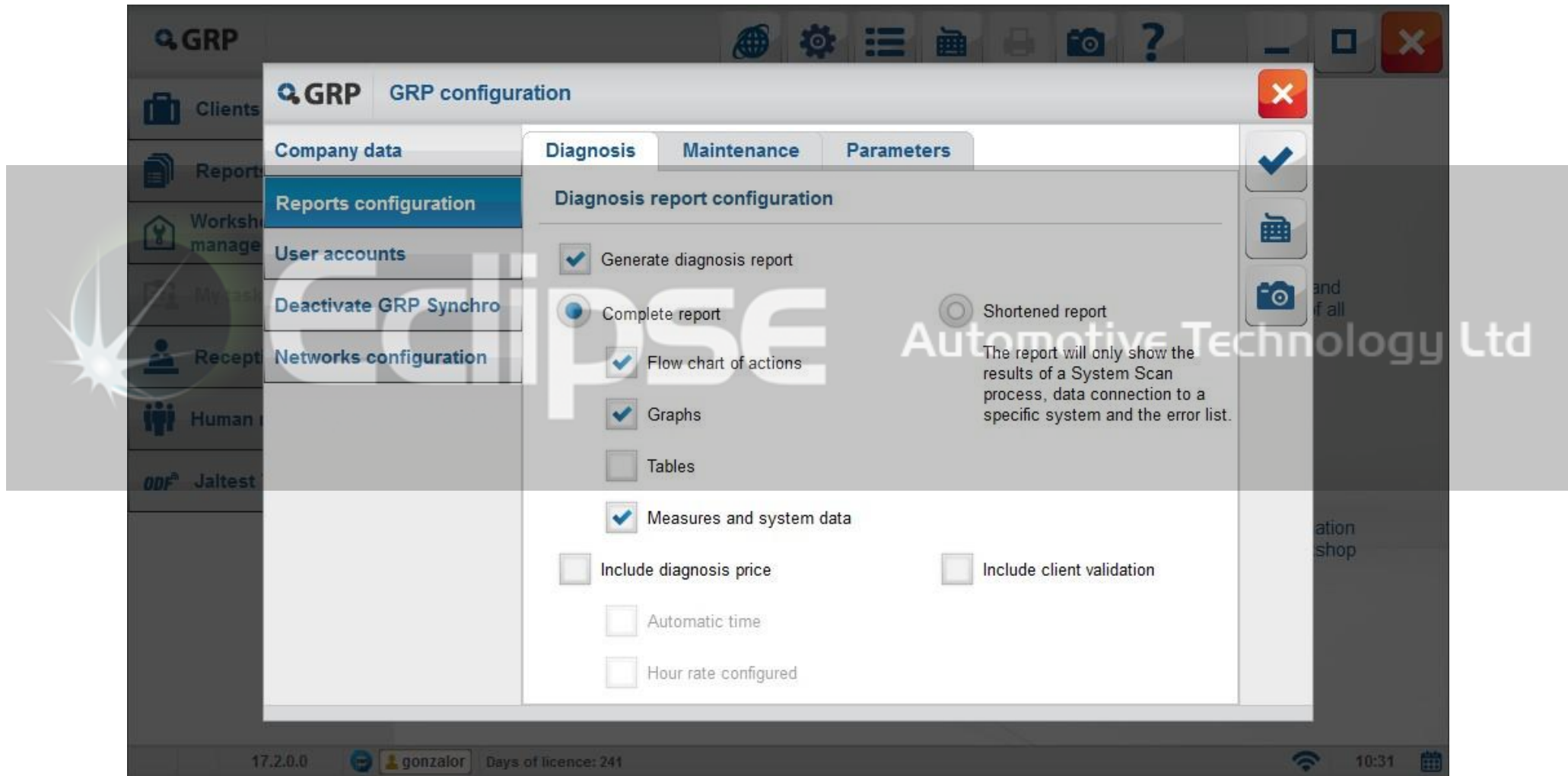
Additionally, the diagnosis report could be saved automatically

1.2 Software innovations:
Shortcut by model to ODR (Operational Data Recorder)
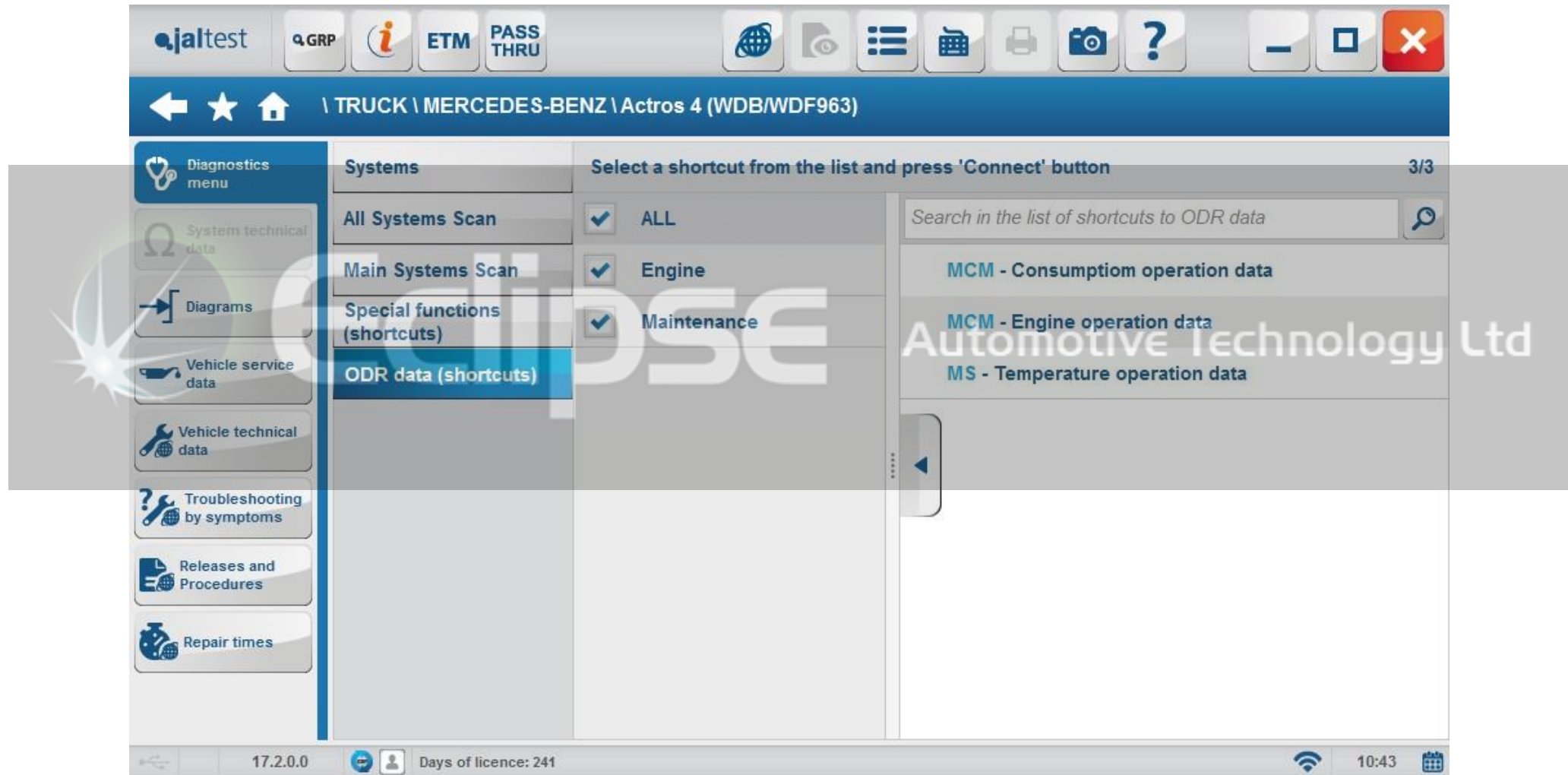
"We are always taking into account your proposals"

1.3 Software innovations:
New 'Releases and Procedures' button

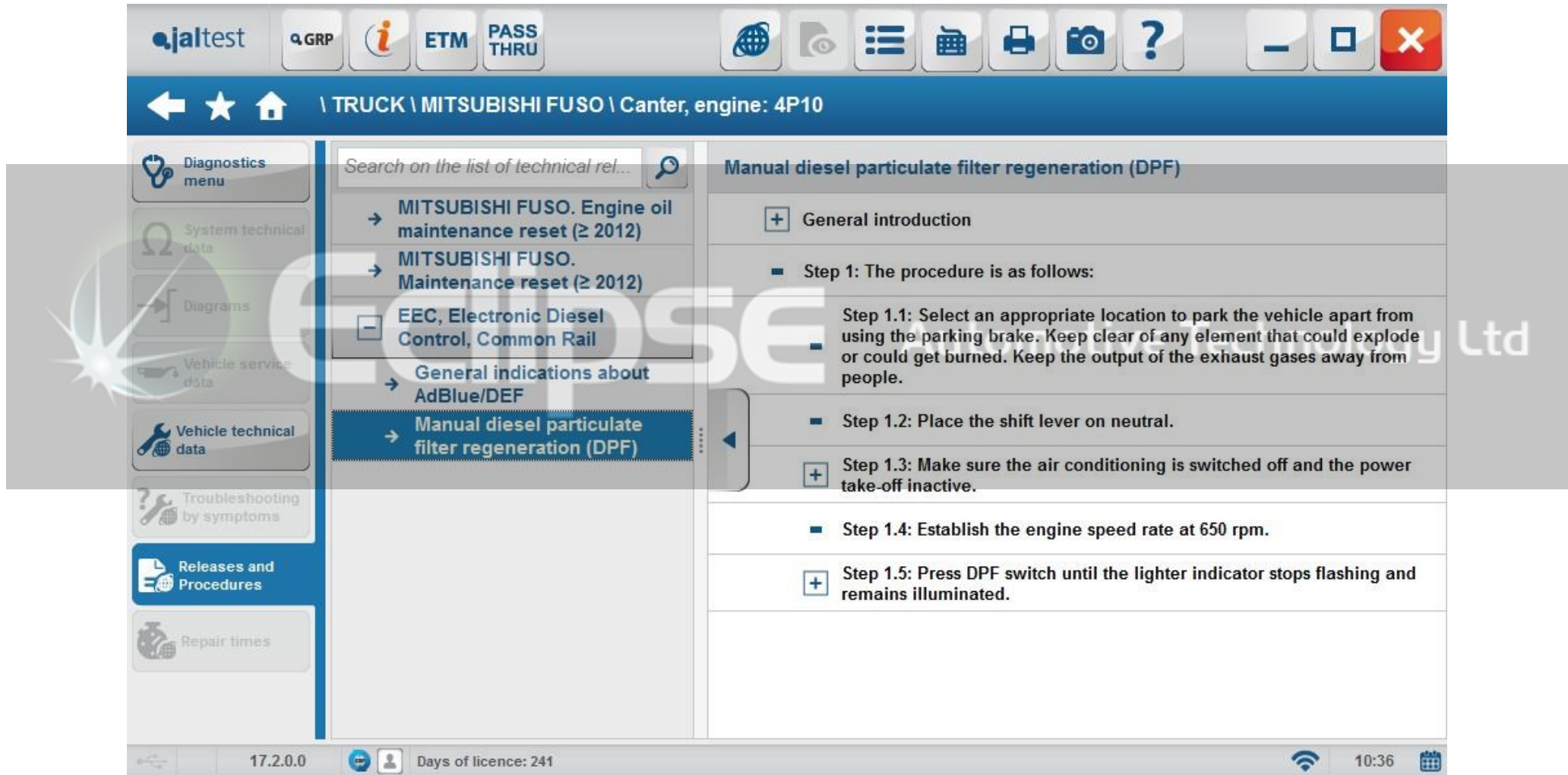During the execution of an action, a procedure could be displayed (e.g. fan clutch test in Volvo and Renault V4)

NEW!! Vehicle System Scan for OHW CAT and Volvo

1. The generation of files to import to ODF after a system autodetection

2. The functions, in which the USB is mandatory to connect, re-direct to the config. panel if Bluetooth is being used

3. Possibility to remove repeated measurements

4. One converted value could be directly configured whilst a parameter configuration (edit steps)

5. Proxy config.

"Changes in the database queries which improve the speed of the selection, the screens workflow… "

1.4 Software innovations:
Other software functionalities, Proxy Config

This is an option during the installation, additional program also.

2.1 GRP (Garage Resource Planning)

1. Development phases of GRP

2. Workshop Network activation (GRP Enterprise)

3. User account creation

4. Client portfolio and vehicles

5. Report management

6. Workshop management

7. Reception

8. Telematics
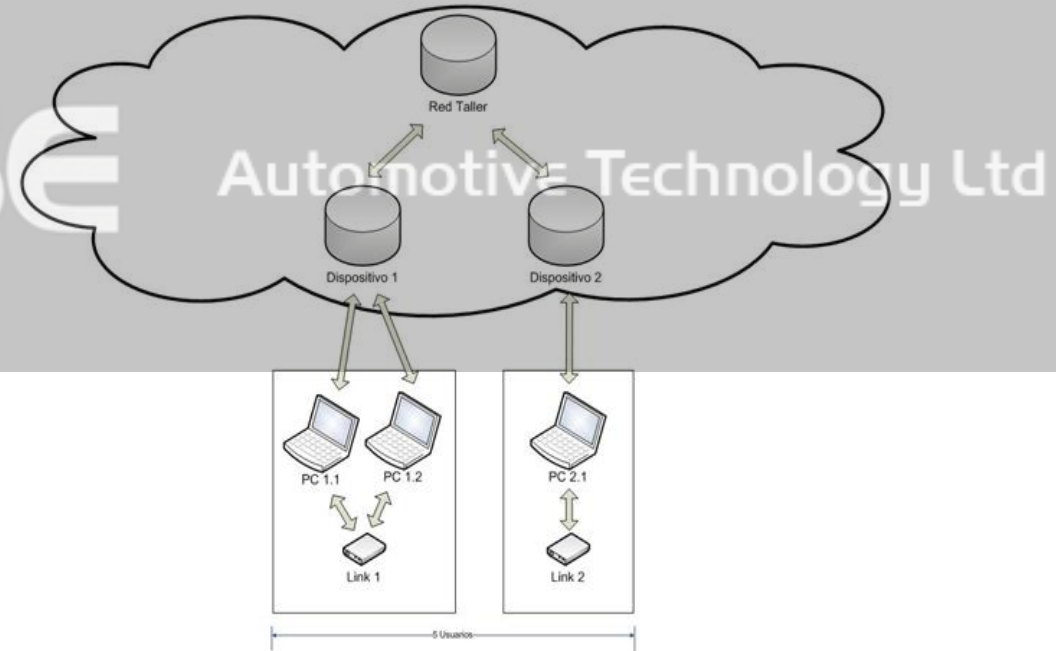
Lot of improvements have been implemented for 17.2. In the future versions: GRP Network for sharing reports between different workshops, messages service, ERP excel file import and export, …
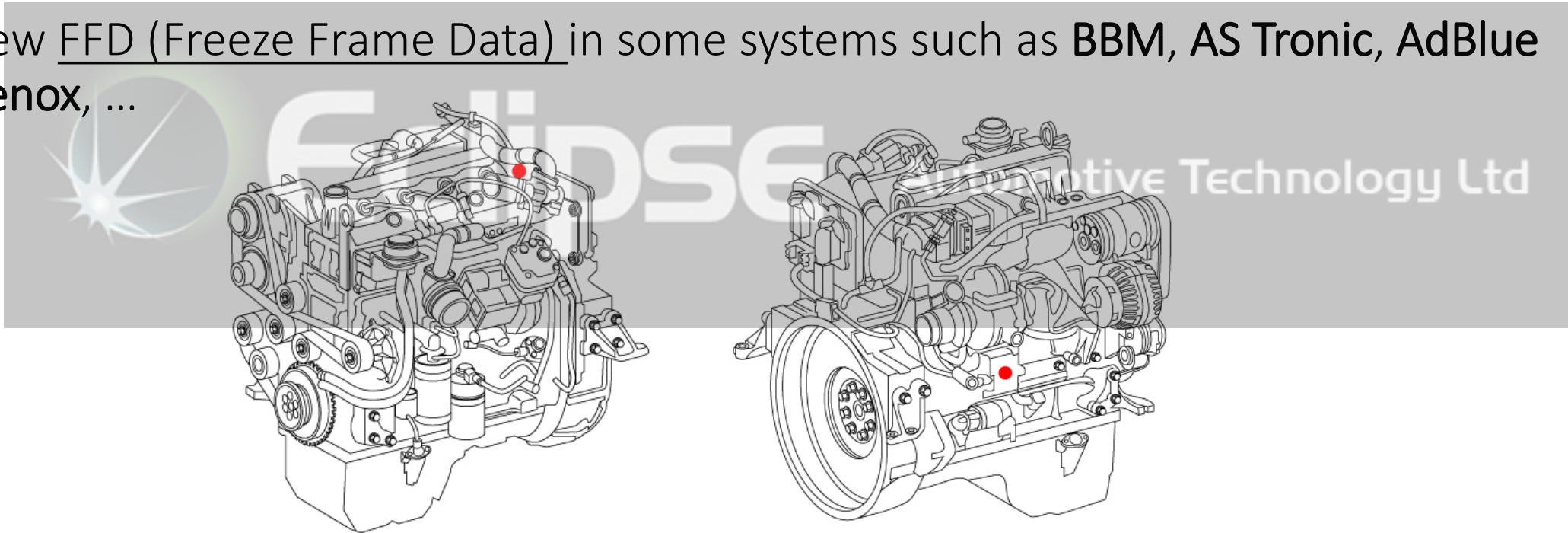
All models

New <u>control of variant codes</u> for **VIC-3**, **Maintenance**, **SWS**, **DTCO**, …

New <u>FFD (Freeze Frame Data)</u> in some systems such as **BBM**, **AS Tronic**, **AdBlue Denox**, …

Additionally, the info has been improved, much more component location images for engine types MX and PR

3.2 Iveco Trucks

Euro 6 models

EDC 17 CV41, DPF Regen. counters reset [*]

Denox 2.2, AdBlue metering and leak tests [*]

CNG Metafuel 4, new measures and FFD [*]

All models

Hydronic 10 (Eberspächer), manual diagnosis. New

System Display available for all INS systems.

ZF Intarder 3 (EST-54), technical data, wiring diagrams, images...

* Systems which can be found in IRISBUS buses.
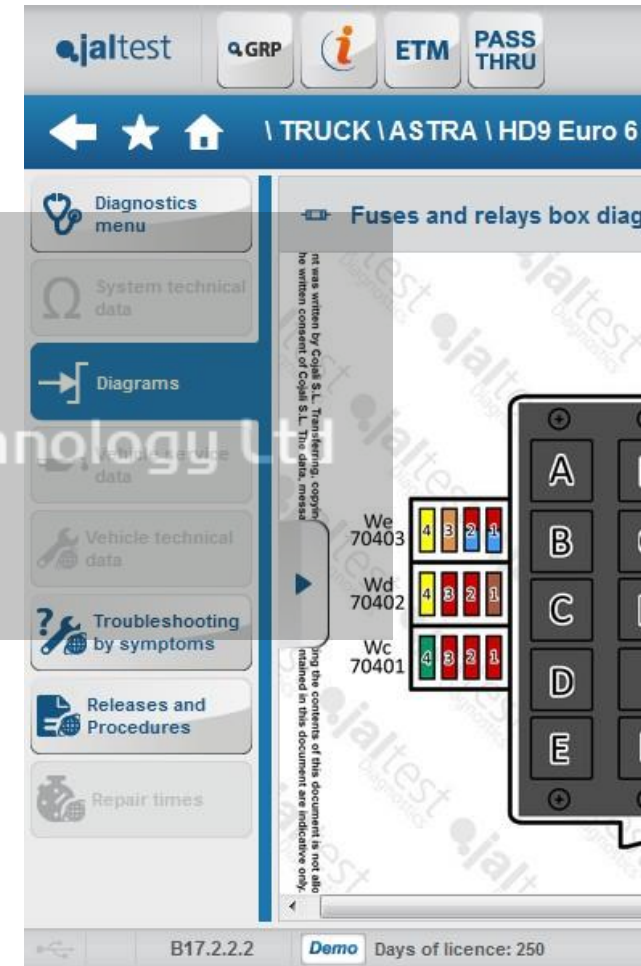
This version, ASTRA - as a part of the same group- adds technical info: wiring diagrams, the relays and fuses box and much more for HD9 Euro 6 Truck

3.3 MAN Trucks

Euro 6 models

EDC 17, Schematic diagrams for the intake and exhaust system.

System Display available for D08 engines with HCI (Hydro Carbon Injection)

All models

PTM, New control of variant codes. Configuration of the ZDR (Intermediate revolutions control.

System Display available for all INS systems.

3.4 Mercedes-Benz Trucks
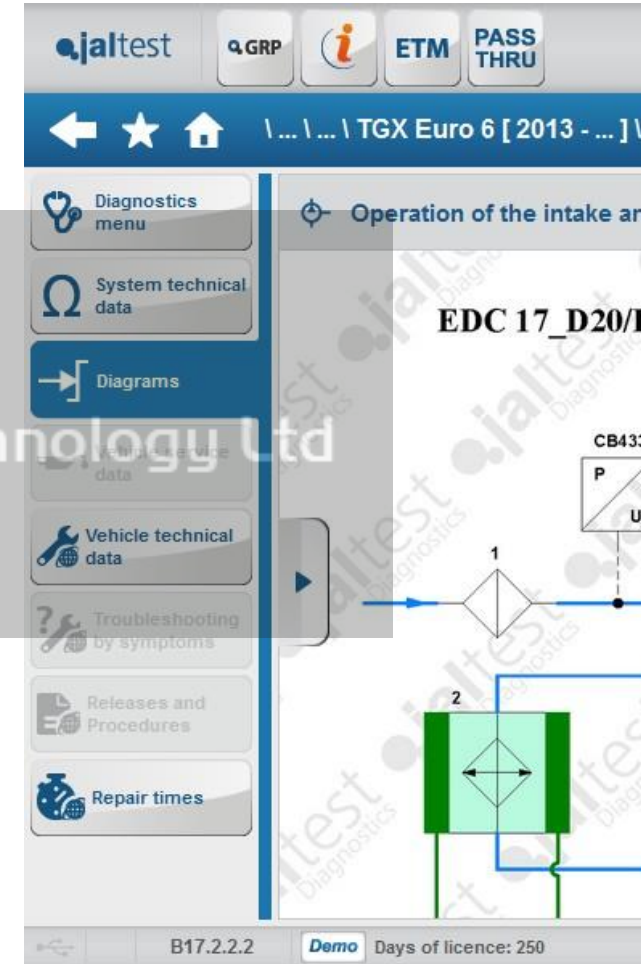
MB4 Technologies

EBS, Parameters configuration for Wabco and Knorr-Bremse systems.

DCMD & DCMP, Parameters and the calibration of the power window.

New control of variant codes for MCM, ACM, CPC, SSAM, SCA, SCH, EBS, APS...[*]

System Display (INS type) available for ACM, SSAM and SCA [*]

MB2 Tehcnologies

GM & PSM, Activation and configuration of the PTOs.

WSK & TK, new systems for the clutch converter.

Unimog Euro 6

TCM ST Transmission for special vehicles, **ICM** Hydraulic system and **STCU** Controller of system for special vehicles
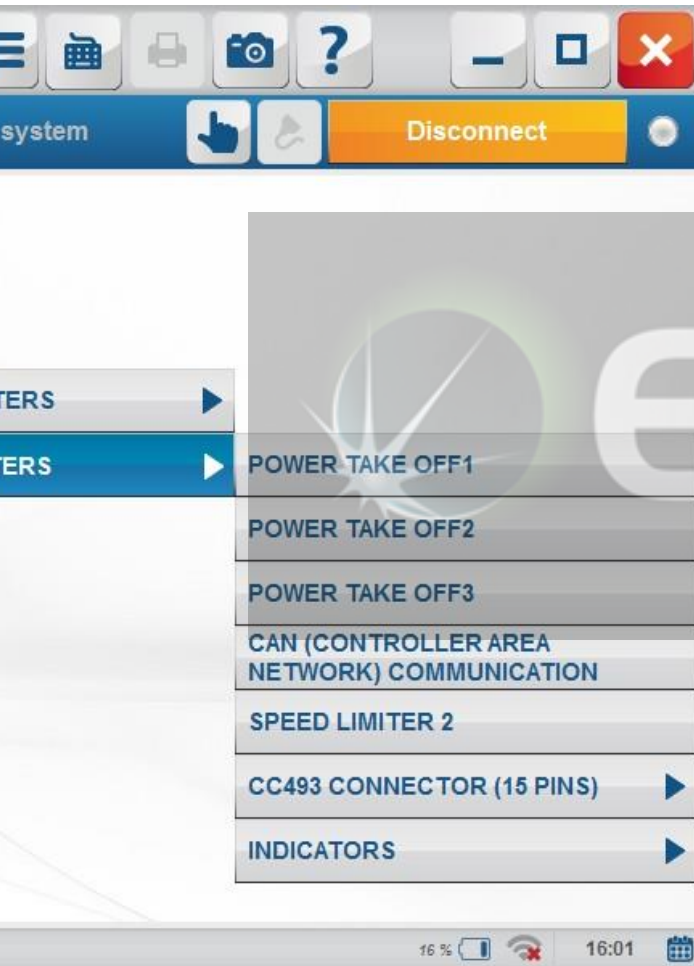
* Systems which can be found in MB and SETRA buses.

3.4 Mercedes-Benz Trucks

An example of a System Display INS type of one MB4 technologies system

3.5 Scania Trucks

R, P, G Series

BWS, Parameters configuration (CC493 connector, speed limiter 2, CAN Config.)

EMS, Parameters configuration (Clutch control for HPI, correction factor of the fuel consumption, speed limiter 2 related with the BWS …)

AdBlue EEC3, New activations (AdBlue/DEF heater control, AdBlue/DEF pump, …)

VIS, Parameters configuration (external lamps, indicator lamps, high beam…)

* Systems which can be found in Scania buses.

3.5 Scania Trucks

For 17.2 the Jaltest project adds an extra value including important info on this brand.

- **Technical Data** in APS

- **System Display** in EMS PDE

- **Technical Release:** *"Starting gear programming in Opticruise automatic gearboxes"*

- **Troubleshooting by symptom** to EEC3 *"Insufficient AdBlue/DEF metering"*

- **Troubleshooting by error** to DTCs 5122 and 5126 in EMS systems

- **ODR data**

* Systems which can be found in Scania buses.

3.5 Scania Trucks

Insufficient AdBlue/DEF metering Troubleshooting

V4 Technologies

EMS, New activations (Fan clutch, Engine brake, …), injector coding for previous missing variants of the injector type (also included for V2 technologies), …

Note: The EMS for V3 technologies adds the DPF and SCR Regen.

HMIIOM, New activations (Cruise Control, Display, …).

EBS, System Reset after the replacement of some components.

INS, New activations.

APM, Maintenance functions (Compressor, Reset, …) The Air Dryer through the VECU.

TECU, Clutch calibration after the replacement of the clutch disc.

CCM, Calibration of the stepper motor of the climate control unit.

D Series V3 Euro 6 (3.5 – 7.5 t) with systems ECM ZD DTi3, AdBlue ADCM, ABS ESP & SRS

3.7 Volvo Trucks

V4 Technologies

EMS, New activations (Fan clutch, Engine brake, …), injector coding for previous missing variants of the injector type (also included for V2 technologies), …

Note: The EMS for V3 technologies adds the DPF and SCR Regen.

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TECU, Clutch calibration after the replacement of the clutch disc.

CCM, Calibration of the stepper motor of the climate control unit.

System Displays for Volvo V4, Relays and Fuses boxes depending on the engine type (D9A, …)

3.7 Volvo Trucks

New System Display in Volvo

FLC, LDW.. Jaltest knows about the importance this kind of systems has today so we are working on increasing the coverage and it is expected to include the <u>cameras calibration</u> in all brands.

Knorr-Bremse

FLC20 **(Forward Looking Camera),** Selection in Generic buses (e.g. Otokar Euro 6) *New*

ABS 6, New control of variant codes.

Wabco

Wabco OnGuard Plus (Forward Looking Camera). Selection in Generic buses (e.g. King Long Euro 6) *New*

Wabco OnLane (Lane Departure Warning) *New*

Apart from the trucks development on this brands, Jaltest tends to work on the specific systems of the specific coaches and buses based on the its chassis.

Irisbus

ATC (via CAN), manual diagnosis **New**

MAN

ECAS CAN, Important adjustments for articulated buses.

Mercedes-Benz, Setra

GS, new tests specific for buses e.g. clutch test.

ACM, DPF replacement for engines with two filters

Volvo

7900 H **New**

4.2 Buses: Irisbus, MAN, Mercedes-Benz, Volvo…

ATC (Automatic Temperature Control) for Euro 6 models

4.3 Buses: Other brands

Apart from the trucks development on this brands, Jaltest tends to work on the specific systems of the specific coaches and buses based on the its chassis.

Irizar 🏷New

Credo

New Euro 6 models

Econell, Inovell, Optinell 🏷New

Solaris

New Euro 6 models

Urbino, Interurbino 🏷New

Note: *Please, keep in mind that for buses is really great to use the customization possibilities which are offered by Jaltest Soft.*

5.1 Trailer systems

All Trailer EBS systems: Coming up the possibility to change all parameters of the EBS pressure chart in only one screen and graph it directly.

Knorr-Bremse

TEBS Gen2, Copy and paste parameters for TEBS Gen 2.2. ES2090. Please, look at the C.N. coverage during the connection on the system.

Wabco

Conversion of ***.eol files.**

Trailer EBS E, New parameters: eTASC suspension, ...

ELEX, Modification of GIOs 13, 14, 15 & 16. New Diag. ids are controlled.

Haldex

New EOL (End of Line) test in which the user can select the tests to carry out.

EB + 1st and 2nd Gen, Connection through ISO 7638, ODR reset, ...

5.1 Trailer systems

System Display to measure all values of the brake pressure lines

6.1 LCV: PSA Group, Mercedes-Benz

LCV systems are always updated, new systems are developed for the newest models of the market.

PSA Group

SID 208 (2011 -), Injector coding and new measures as a part of the different tests what is a highlighted improvement

Mercedes-Benz

ESP 9 CEI, ESP sensors calibration.

"Jaltest team does not forget including new wiring diagrams, currently Kombi and Klima 7.0/7.1 in MB Vito"

6.1 LCV: PSA Group, Mercedes-Benz

New CONFIG COMBO EDIT to configure the parameters of the systems

6.2 LCV: Iveco, Volkswagen

Iveco Daily

New models *Iveco Daily (2016 -)*

ABS 8, System purge.

ESP 9, ESP sensors calibration.

ECAS 4x2 S2000, Calibration of the height sensors.

Volkswagen

New family T6 *(Caravelle , California, Multivan, Transporter)*

EDC 17 C54 UDS, DPF differential pressure sensor and EGR valve reset.

The project is continuously being updated in all markets, here you go with the highlighted update of 17.2 in the Asian market.

Isuzu

New <u>control of variant codes</u> for **4HK1-TC, 4JJ1-TC, …** Troubleshooting by errors in several systems.

Mitsubishi Fuso

HVAC (Heating Ventilation and Air Conditioning)

Fuso EEC (Engine Type 4P10), DPF Regen. The manual process is also included.

Hino

Lot of engine types are covered including activations and special functions such as the <u>injector calibration</u> for the engine type J05D-TF (K line) from 17.2 on.

"Please, ask to Jaltest support for the availability of some functions through ADV mode in these brands"

7.1 Others: Asian brands

The manual procedure as a part of the workflow once the user connected on the system

7.2 Others: Vehicle Technical Data, …

Jaltest project has a group of experts available and the technical support team together adding vehicle technical data version by version.

- **Get a standard** for images and the technical data sheet.

- **New procedures** as *'Intake and exhaust valves adjustment'* for engines MAN D2066 and D2676 Euro 6.

- ***New engines*** as the *Iveco 10,3 VGT 460 (F3A E3681Y)*

- *Add **new data** for available engines in previous versions.*

Other markets coverage: Volkswagen Brazil, U-ABS Trailer Brazil, South America, Korean, …

Generic Systems: Cummins systems evolution, ZF Traxon

"The technical data of more than 35 LCV engines have been reviewed for the version 17.2"

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www.jaltest-telematics.com