

EBS

The Low Down on the Download

Ian Thomson

BPW Transpec




BPW Ecotronic EBS- ID Sticker

EBS Placard

160mmx110mm
sticker.

Affixed to each EBS
Trailer.

Shows Brake settings

	BPW ADR Tü.EGG.094-04			4S/2M Stability		S1A S1B	510mm 100t	S2A S2B	510mm 100t	
TRAILER MANUFACTURER FAHRZEUGHERSTELLER PRODUCTEUR DE VEHICULE	Byford Equipment			BRAKE CALCULATION NO. BREMSBERECHNUNGSNUMMER CALCUL DE FREINAGE NO.		AUS10IMT1759				
CHASSIS NUMBER FAHRGESTELLNUMMER NUMERO DE CHASSIS	6B9BP5F23A1DR6526			TYPE TYP TYPE		Tri 32327				
THRESHOLD PRESSURE ANSPRECHDRUCK PRESSION D'APPROCHE [bar]	0.20			PRESSURE LIMIT DRUCKBEGRENZUNG LIMITE DE PRESSION [bar]		6.50				
[1.00 bar = 100 kPa]	UNLADEN / LEER / A VIDE			LADEN / BELADEN / EN CHARGE						
	INPUT PRESSURE EINGANGSDRUCK PRESSION D'ENTRÉE [bar]		6.50	INPUT PRESSURE EINGANGSDRUCK PRESSION D'ENTRÉE [bar]		0.60	1.60	-	6.50	
	AXLE LOAD ACHSLAST CHARGE ESSIEU [kg]	SUSPENSION PRESSURE BALGDRUCK PRESSION DE SUSPENSION [bar]	OUTPUT PRESSURE AUSGANGSDRUCK PRESSION DE SORTIE [bar]	AXLE LOAD ACHSLAST CHARGE ESSIEU [kg]	SUSPENSION PRESSURE BALGDRUCK PRESSION DE SUSPENSION [bar]	OUTPUT PRESSURE AUSGANGSDRUCK PRESSION DE SORTIE [bar]				
	1 AXLE 1 ACHSE 1 ESSIEU	1730	0.60	4.20	7500	4.30	0.40	1.30	-	6.50
	2 AXLE 2 ACHSE 2 ESSIEU	1730	0.60	4.20	7500	4.30	0.40	1.30	-	6.50
	3 AXLE 3 ACHSE 3 ESSIEU	1730	0.60	4.20	7500	4.30	0.40	1.30	-	6.50



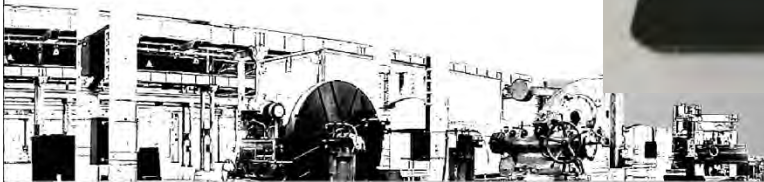
BPW Ecotronic EBS- Download Hardware

Laptop

Trailer Analyser
software

USB Cable and
Dongle

Interconnecting cable
to side of vehicle
connector.



BPW Ecotronic EBS- Download Hardware

Laptop

Trailer Analyser
software

USB Cable to Dongle

Interconnecting cable
to front of trailer cable.

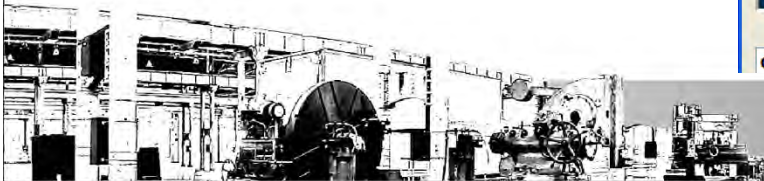
Inline EBS Cable with
diagnostic lead.



BPW Ecotronic EBS -Trailer Analyser

Overview Screen
Shows General Data
held on the Valve/Trailer

Total Kilometers
Number of Trips
DTC (Fault) Snapshots
Stability Snapshots
Brake applications count
ABS events

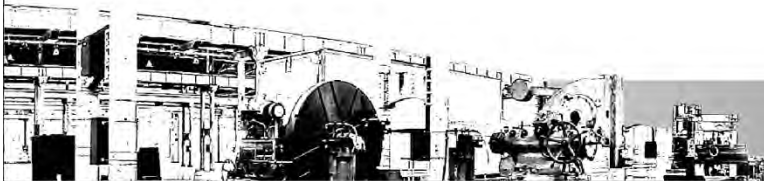
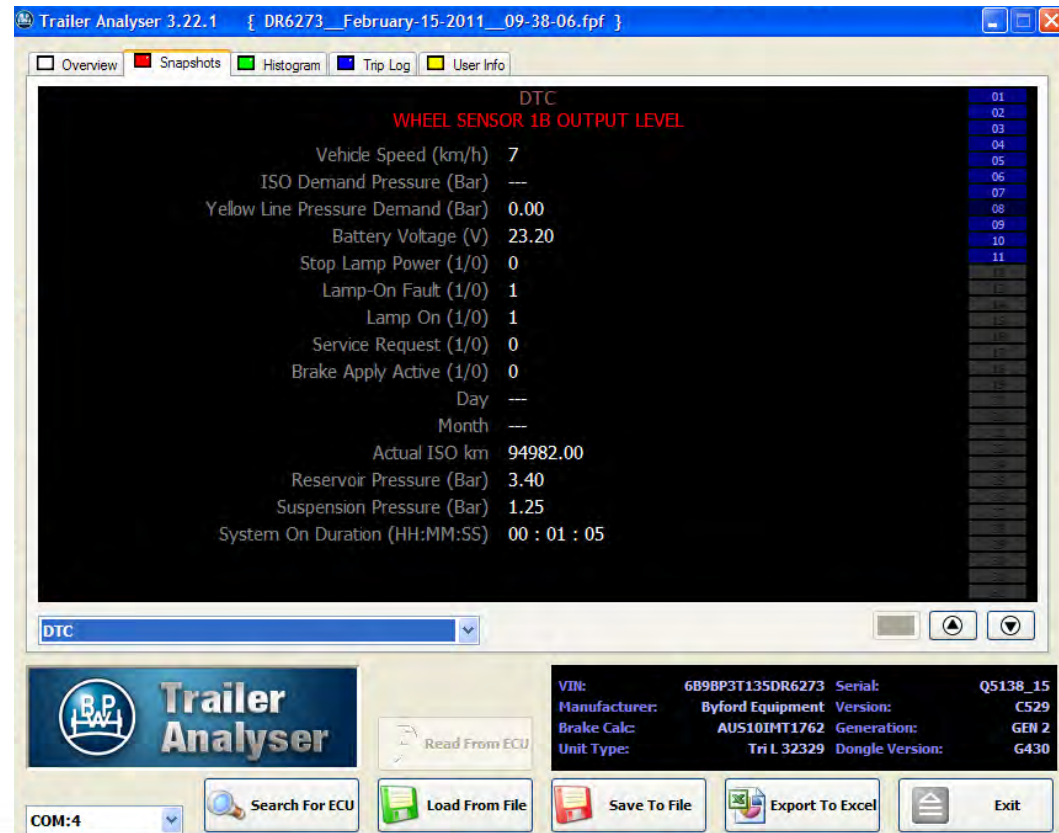


BPW Ecotronic EBS -Trailer Analyser

Snapshot Screen

DTC (Diagnostic Trouble Code)

Wheel Sensor Output Fault
Also gives information of just
prior to the fault being
registered.

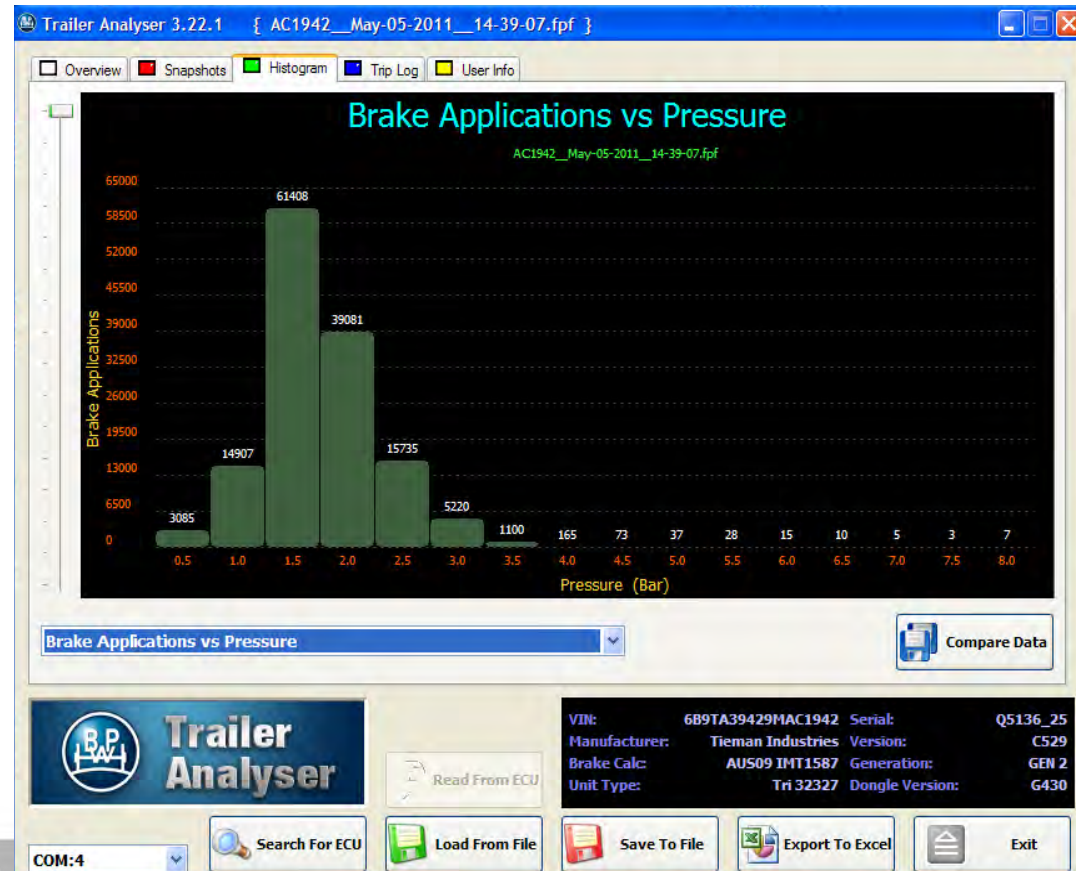


BPW Ecotronic EBS -Trailer Analyser

Histograms
Brake App vs Pressure

Graphs the count of brake applications at different pressure levels.

Shows driver trends and behavior in brake use.



BPW Ecotronic EBS -Trailer Analyser

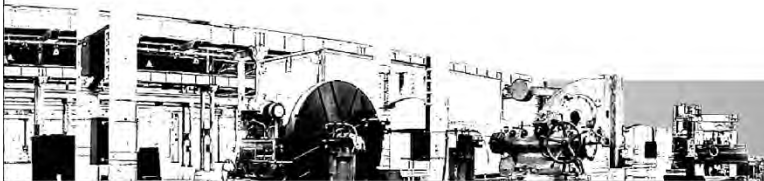
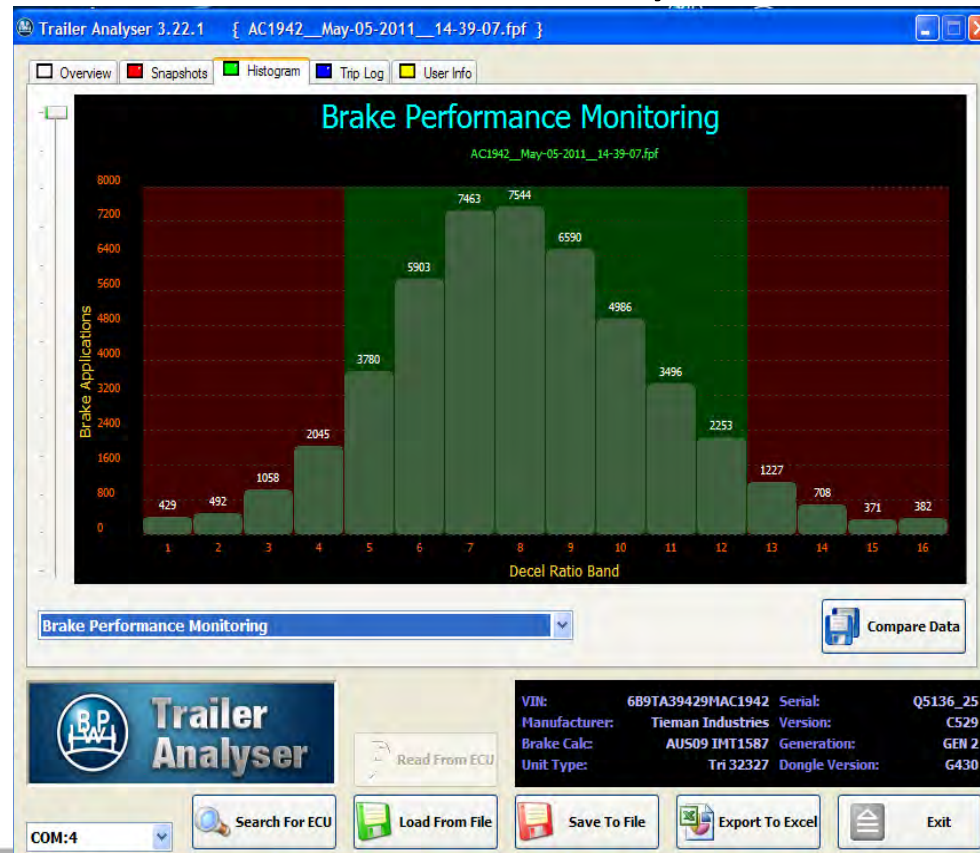
Histograms
Brake Performance Monitoring

Graph to show truck trailer brake effort.

Centered is equal effort.

Peak to the left is Truck too much effort.

Peak to the right is Trailer too much effort.



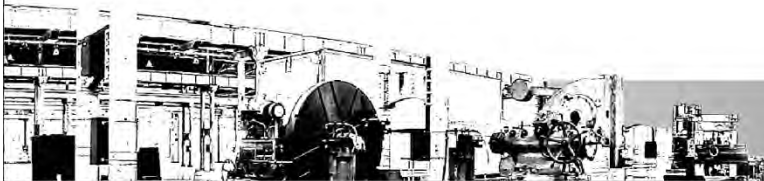
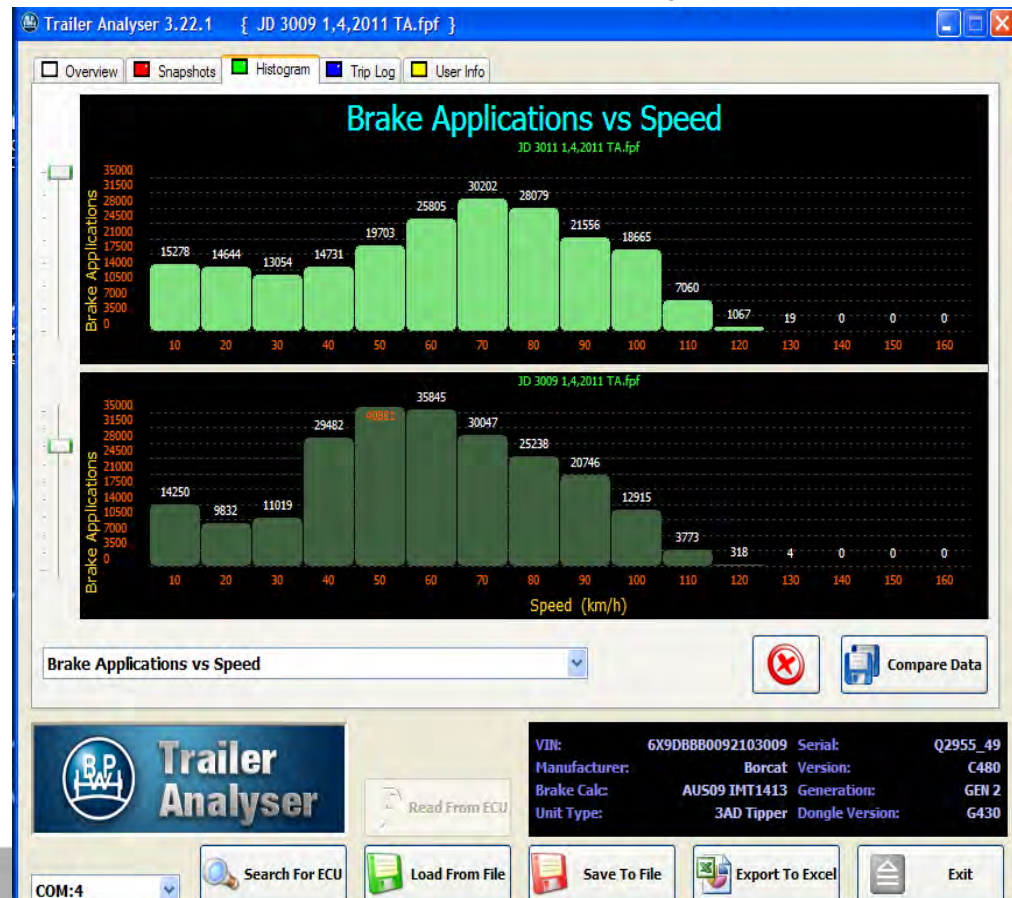
BPW Ecotronic EBS -Trailer Analyser

Histograms

Compare 2 vehicles on same screen.

Shows different driver/vehicle behavior.

Top vehicle braked harder and later.



EBS Downloads

In addition to the Safety benefits of EBS, there are added benefits to be gained from the data that can be collected, **downloaded** and used as aid to vehicle/fleet and driver assessment.

