

# Backhoe Loaders

Oct 2012



Issue Date: 01-Oct-2012

Model: All BHL

Language: English (en)

Revision No. 1.0

Original Instruction

## Training Material Copyright ©

---

For further information on the subject mater detailed within this training book, please refer to Terex United Kingdom Limited, Workshop Manuals, Operators Manuals and Product Parts Books.

Alternatively, please contact:

Customer Service Department  
Terex United Kingdom Limited  
ProLogis Park  
Coventry, CV6 4BX  
Tel; +44(0) 2476 339 660  
Email. [cov.servicedesk@terex.com](mailto:cov.servicedesk@terex.com)

The Illustrations, technical information, data and descriptive text in this manual, to the best of our knowledge, were correct at the time of print. The right to change specifications, equipment and maintenance instructions at any time without notice, is reserved as part of the Terex United Kingdom Limited policy of continuous development and improvement of the product.

No part of this publication may be reproduced, transmitted in any form – electronic, mechanical, photocopying, recording, translating or by any other means without prior permission of Customer Support Department – Terex United Kingdom Limited.

Please refer to TEREX Specification Sheets or consult Factory Representatives to ensure that information is current.

## **Section 1. Machine Identification**

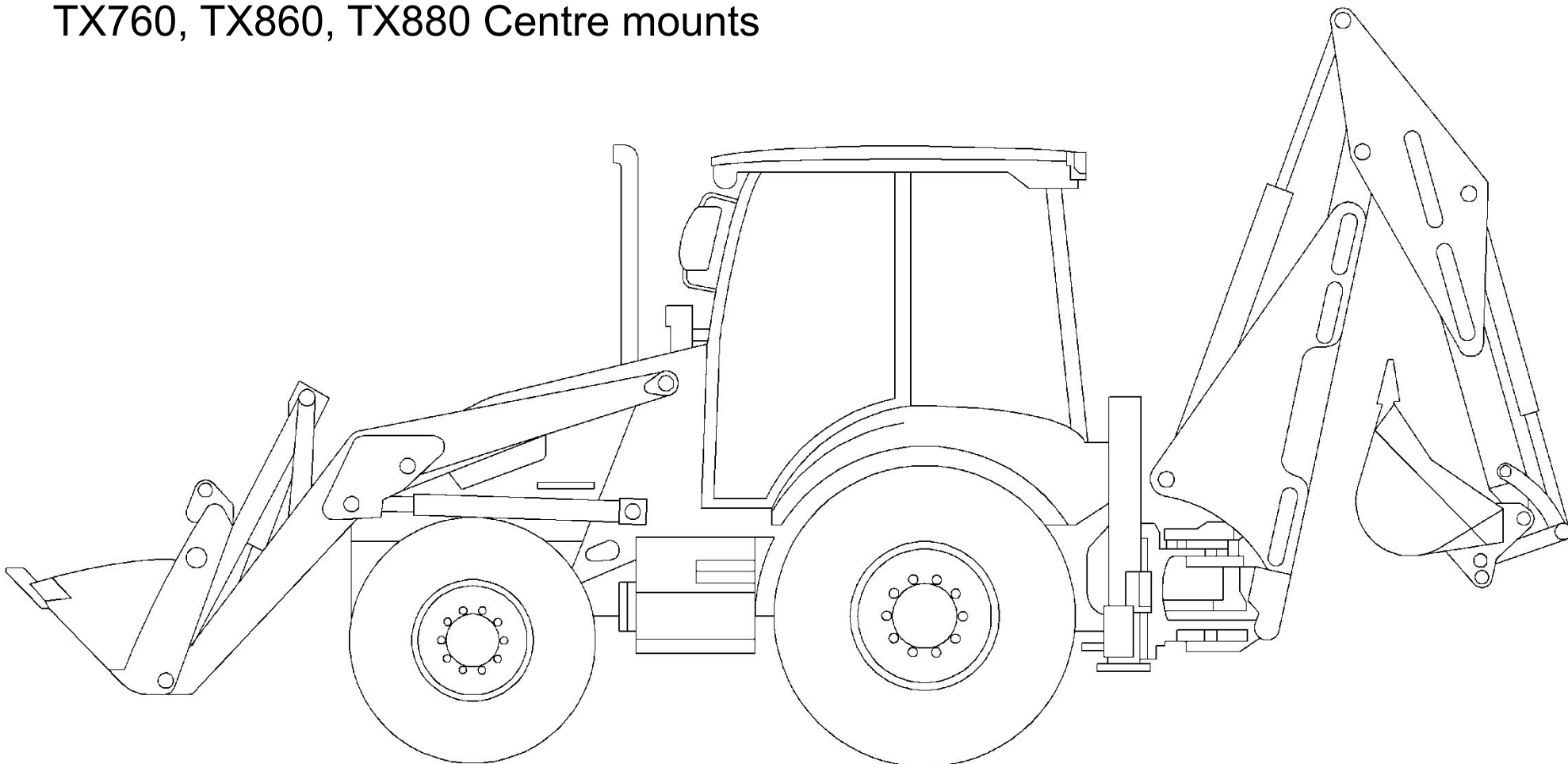
- H200 Models
- TLB840 Range Identification
- TLB890 Range Identification
- VIN Numbers – What's its all about
- Model Range Configurations

## H200 Series Backhoe Loaders

---

820, 860, 880, 970, 980 Side shift models

TX760, TX860, TX880 Centre mounts



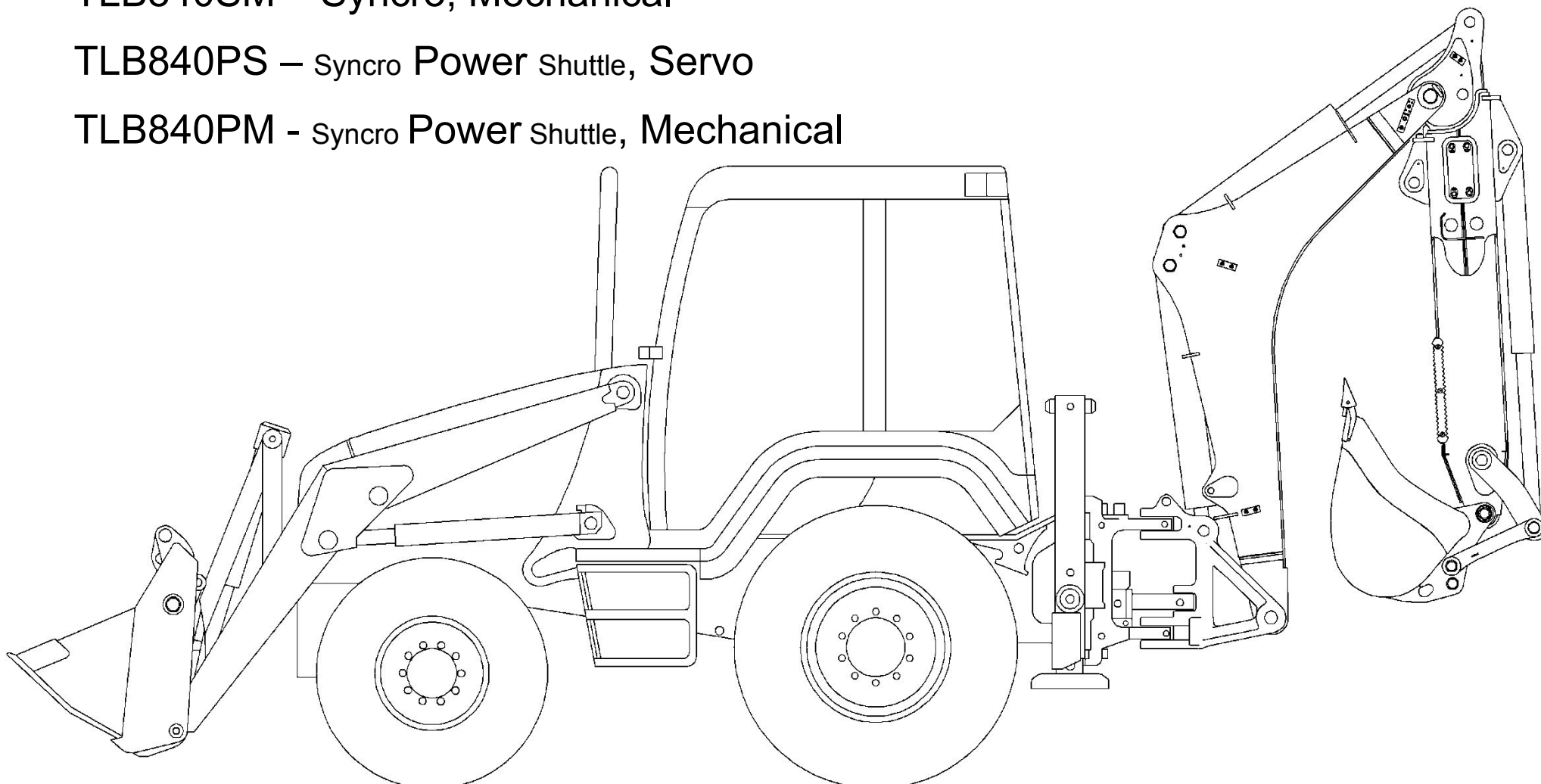
## TLB840 Series Backhoe Loaders

---

TLB840SM – Syncro, Mechanical

TLB840PS – Syncro Power Shuttle, Servo

TLB840PM - Syncro Power Shuttle, Mechanical



## TLB840 Series Backhoe Loaders

### The difference from a H200 Series

90hp Perkins Engine – Charge air induction

Different front end styling

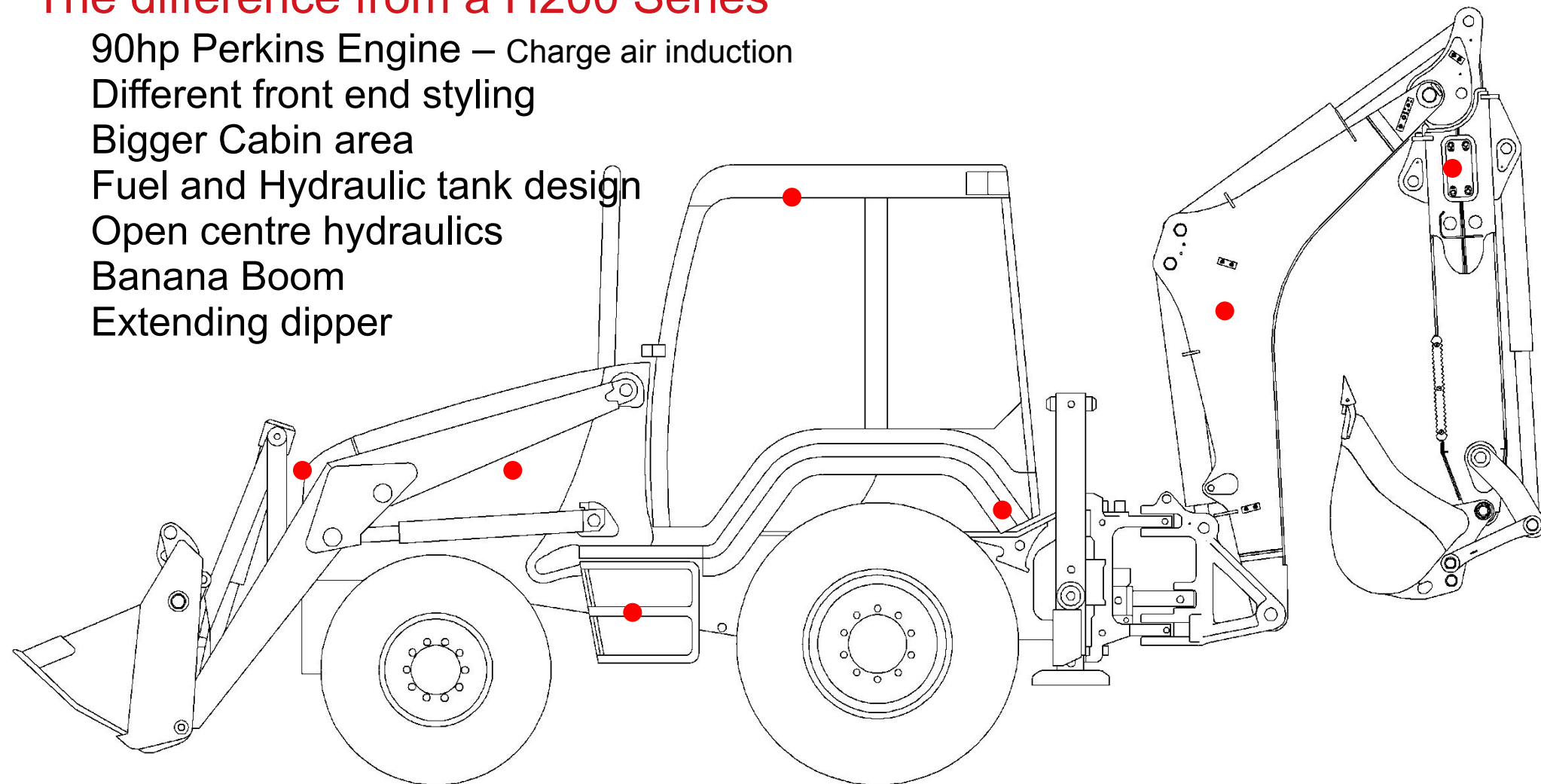
Bigger Cabin area

Fuel and Hydraulic tank design

Open centre hydraulics

Banana Boom

Extending dipper



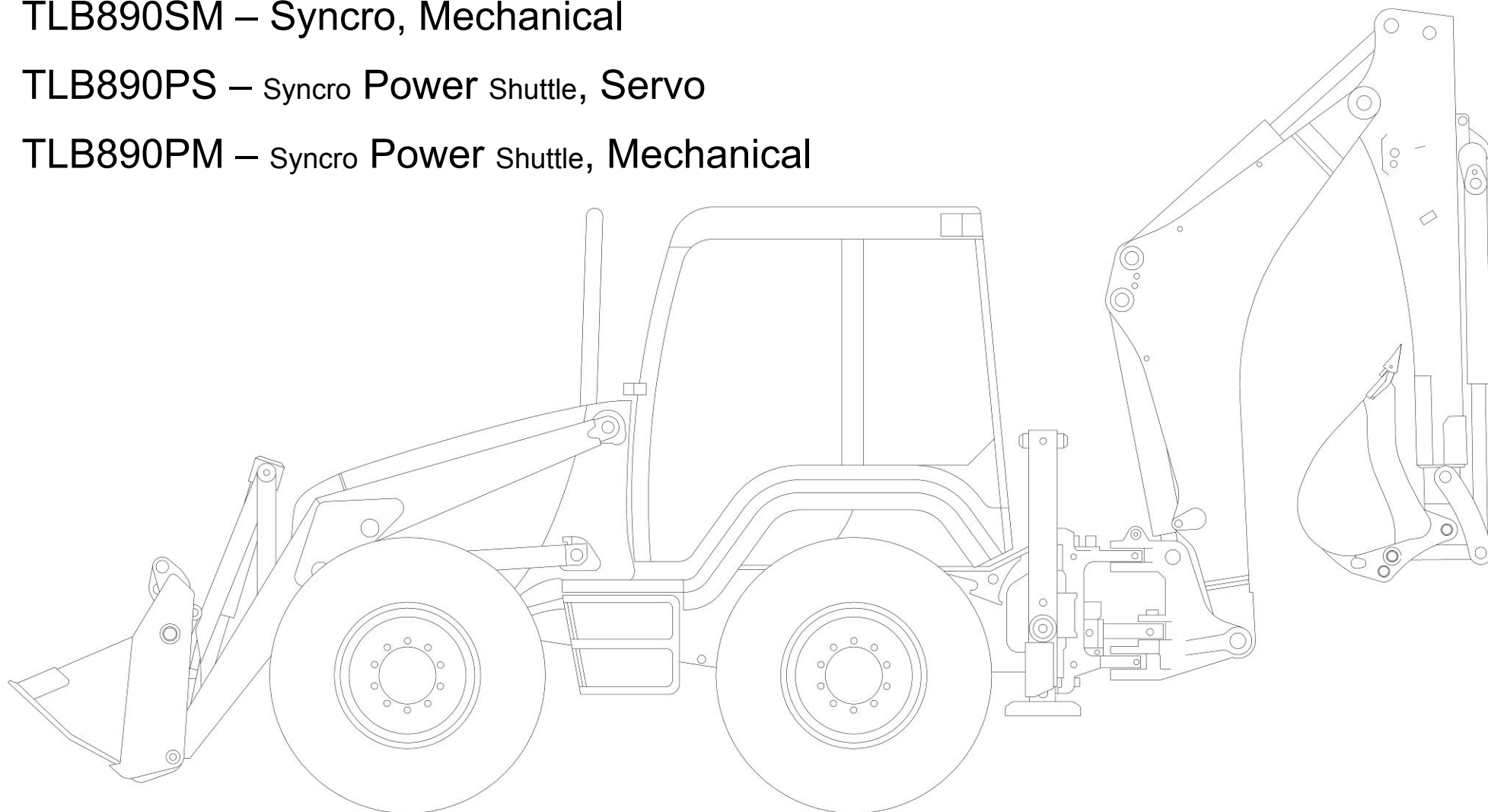
## TLB890 Series Backhoe Loaders

---

TLB890SM – Syncro, Mechanical

TLB890PS – Syncro Power Shuttle, Servo

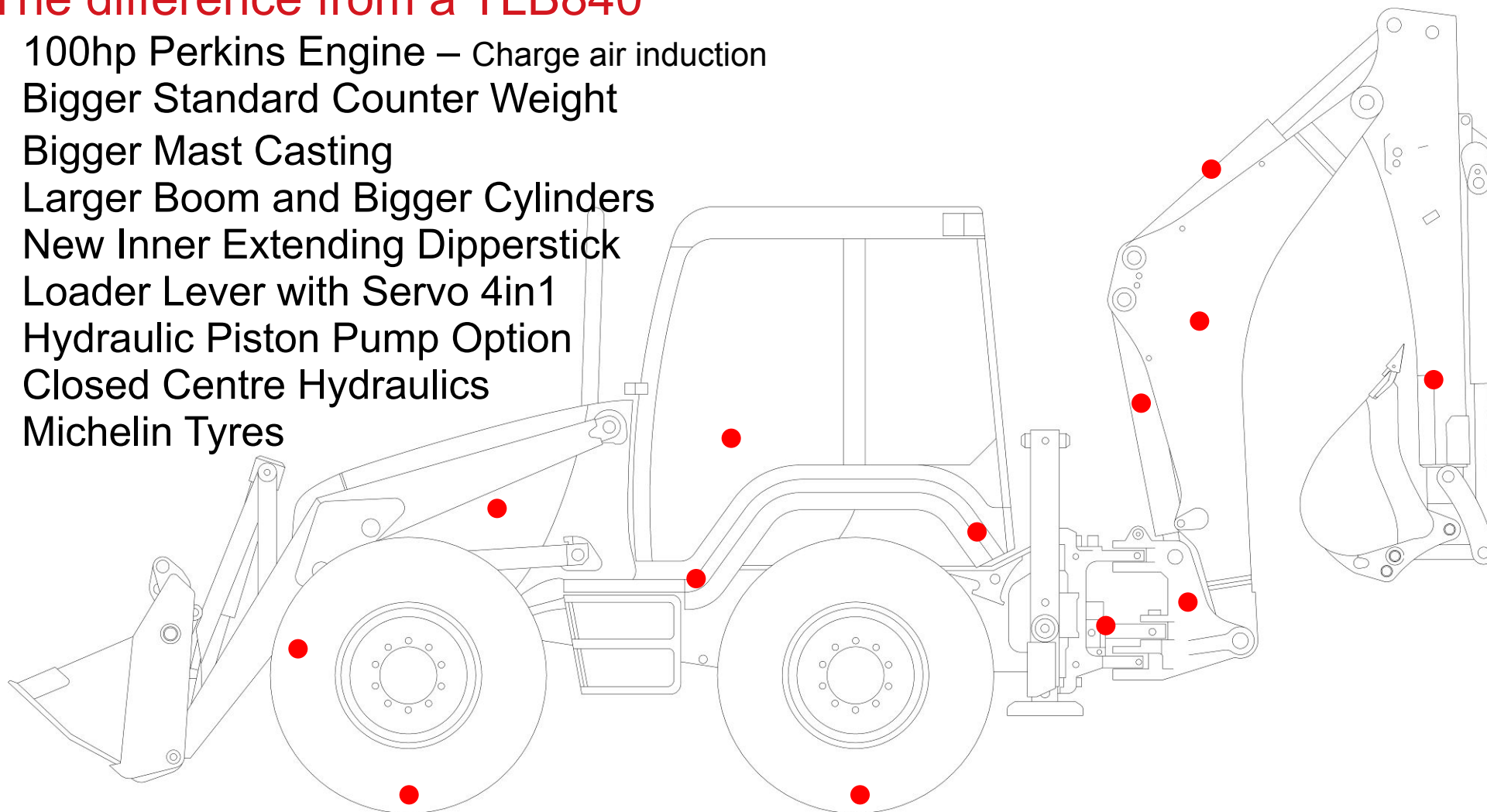
TLB890PM – Syncro Power Shuttle, Mechanical



## TLB890 Series Backhoe Loaders

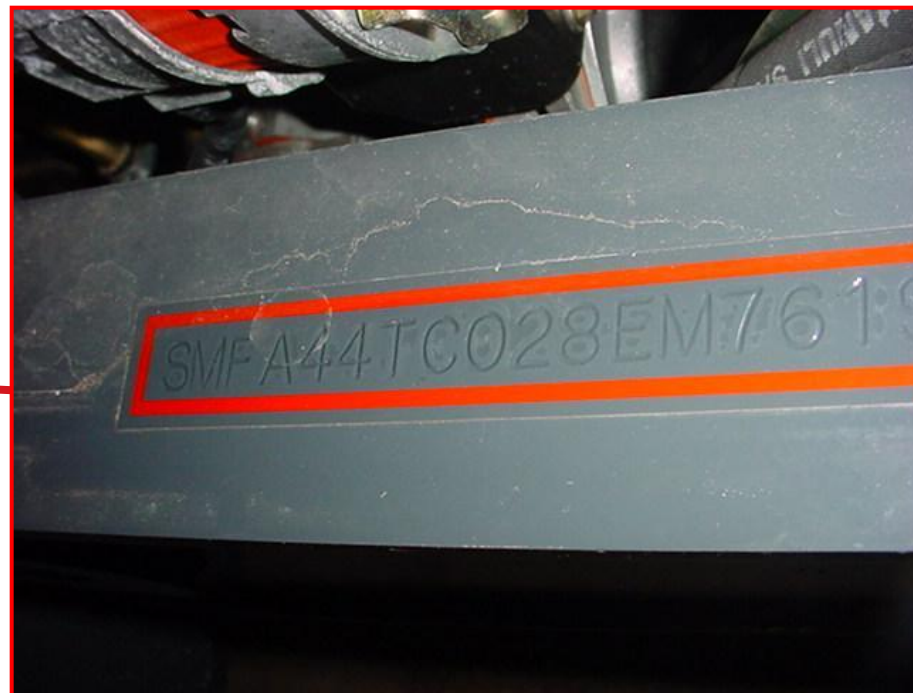
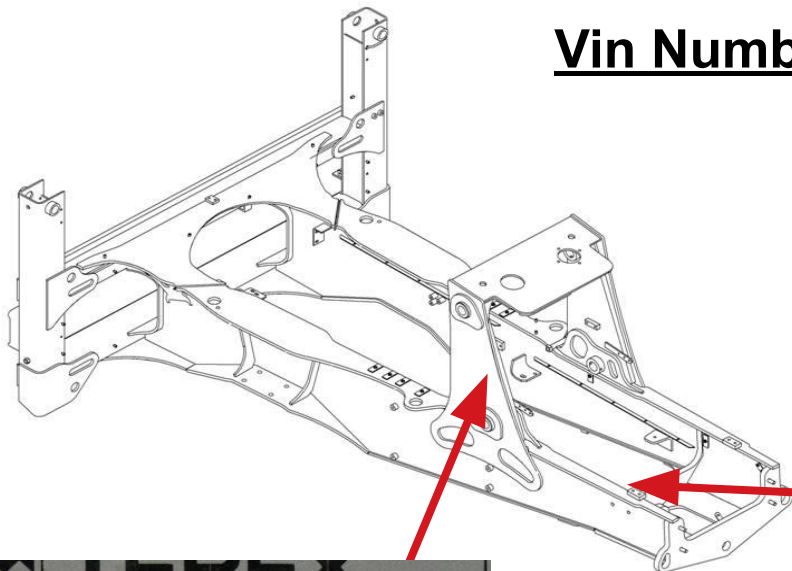
### The difference from a TLB840

- 100hp Perkins Engine – Charge air induction
- Bigger Standard Counter Weight
- Bigger Mast Casting
- Larger Boom and Bigger Cylinders
- New Inner Extending Dipperstick
- Loader Lever with Servo 4in1
- Hydraulic Piston Pump Option
- Closed Centre Hydraulics
- Michelin Tyres

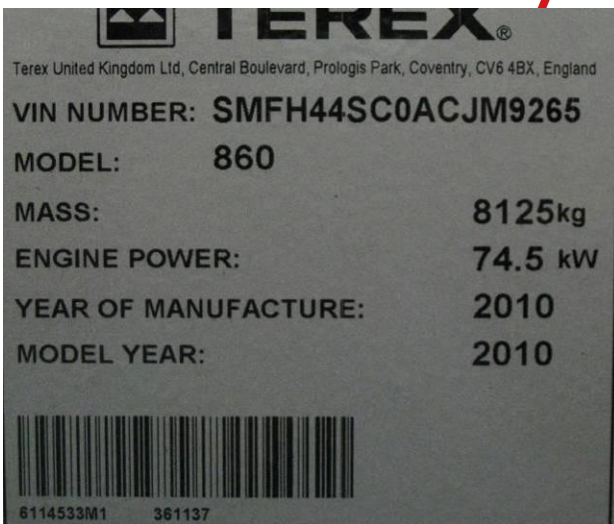




## Vin Number Location



Chassis Stamped



External Vin Number Plate

## H200 - Vin Number Definition Tier 2

Position	Item	Digit	Description / Values	Example
1	Manufacturer ID	S	Registered with BSI	S
2		M		M
3		F		F
4	Product Variants	X	H= Terex/TCE G= Ferrec	H
5	Transmission	X	4= 4 Speed Synchro Shuttle 3= 3 Speed Synchro Shuttle	5
6			6= 4 Speed Power Shift 5= 3 Speed Power Shift	
6	Drive	X	4= 4 WD 2= 2 WD	4
7	Digging Length	X	S= 4.5 Std T= 4.5 Ext L= 4.9 Std E= 4.9 Ext N= None	T
8	Operator Compartment	X	C= Cab R= ROPS	C
9	Loader Element Function	X	0= Mechanical N= None	0
10	Production Year	X	See Table 1 - BSAU 175 Model Year	4
11	Chassis Type	X	See Table 2	C
12	Engine Type	X	F= 68.5 kW (92HP) G= 74.5 kW (100HP)	G
13	Digging Element Function	X	M= Mechanical N= None S= Servo	M
14	Serial Number	X	Machine Serial Number	3
15		X		6
16		X		5
17		X		7

**Table 1 - Production Year**

Digit	Year	Digit	Year
P	1993	1	2001
R	1994	2	2002
S	1995	3	2003
T	1996	4	2004
V	1997	5	2005
W	1998	6	2006
X	1999	7	2007
Y	2000	8	2008

**Table 2 - Chassis Type**

Digit	Machine Type
A	2 WS/Base/Side Shift (820)
B	2 WS/Base/Centre Mount (820)
C	2 WS/Main/Side Shift (860-880)
D	2 WS/Main/Centre Mount (860-880)
E	4 WS/Side Shift (970-980)
F	4 WS/Centre Mount (970-980)

## H200 - Vin Number Definition Tier 3

Position	Item	Digit	Description / Values
1	Manufacturer ID	S	Registered with BSI
2		M	
3		F	
4	Product Variants	X	H= Terex/TCE G= Ferrec
5	Transmission	X	4= 4 Speed Synchro Shuttle 3= 3 Speed Synchro Shuttle 6= 4 Speed Power Shift 5= 3 Speed Power Shift
6	Drive	X	4= 4 WD 2= 2 WD
7	Digging Length	X	S= 4.5 Std T= 4.5 Ext L= 4.9 Std E= 4.9 Ext N= None
8	Operator Compartment	X	C= Cab R= ROPS
9	Loader Element Function	X	0= Mechanical N= None
10	Production Year	X	See Table 1 - BSAU 175 Model Year
11	Chassis Type	X	See Table 2
12	Engine Type	X	H = 70.0 kW (90HP) J = 74.5 kW (100HP)
13	Digging Element Function	X	M= Mechanical N= None S= Servo
14	Serial Number	X	Machine Serial Number
15		X	
16		X	
17		X	

Example
S
M
F
H
5
4
T
C
0
4
C
J
M
3
6
5
7

**Table 1 - Production Year**

Digit	Year	Digit	Year
P	1993	1	2001
R	1994	2	2002
S	1995	3	2003
T	1996	4	2004
V	1997	5	2005
W	1998	6	2006
X	1999	7	2007
Y	2000	8	2008

**Table 2 - Chassis Type**

Digit	Machine Type
A	2 WS/Base/Side Shift (820)
B	2 WS/Base/Centre Mount (820)
C	2 WS/Main/Side Shift (860-880)
D	2 WS/Main/Centre Mount (860-880)
E	4 WS/Side Shift (970-980)
F	4 WS/Centre Mount (970-980)

## 80 Series - Vin Number Definition T3

Position	Item	Digit	Description / Values	Example
1	Manufacturer ID	S	Registered with BSI	S
2		M		M
3		F		F
4	Product Variants	J	Terex 80 Series	J
5	Transmission	X	A= 3 Speed Synchro Shuttle B= 4 Speed Syncro Shuttle C= 3 Speed Power Shift D= 4 Speed Power Shift	B
6	Drive	X	4= 4 WD	4
7	Digging Length	X	See Table 2	B
8	Operator Compartment	X	C= Cab R= Canopy without windscreen S= Canopy with windscreen	C
9	Loader Element Function	X	O= Mechanical N= None	O
10	Production Year	X	See Table 1 - BSAU 175 Model Year	A
11	Chassis Type	X	See Table 3	H
12	Engine Type	X	K= 70.0 kW (90HP) Turbo aftercooled L= 74.5 kW (100HP) Electronic M= 75.4 kW (turbo aftercooled)	M
13	Digging Element Function	X	M= Mechanical N= None S= Servo	3
14	Serial Number	X	Machine Serial Number	6
15		X		5
16		X		7
17		X		

Table 1 - Production Year

Year	Code
2010	A
2011	B
2012	C
2013	D
2014	E
2015	F

Table 2 - Digging Depth

Digit	Dipper Type
A	Standard dipper - std dig
B	Extendable dipper - std dig
C	Standard dipper - deep dig
D	Extendable dipper - deep dig
N	None

Table 3 - Chassis Type

Digit	Machine Type
G	840 2WS SS - short drop
H	840 2WS SS - long drop
J	840 2WS CM - short drop
K	840 2WS CM - long drop

## H200 Current Models

Series	Name	Model	Engine	Transmission	Pump Flow	Hydraulics	Front Axle	Rear Axle	Cab	Servo	
2004-2008 H200		820	1100 Turbo Gr. Tier2	Tumer/Carraro	80+60	Rexroth SX 14	Carraro	Carraro	Curved Glass	No	
		860 SX	1100 Turbo Gr. Tier2	Tumer/Carraro	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	No	
	Fermec -Terex	860 PS	1100 Turbo Gr. Tier2	Clark 16000/Carraro	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	No	
	From 3 0001	880 SX	1100 Turbo Gr. Tier2	Tumer/Carraro	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	Hydraulic	
	To 8 5645	880 PS	1100 Turbo Gr. Tier2	Clark 16000/Carraro	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	Hydraulic	
	New VIN Nbr (SMFH...)	970	1100 Turbo Gr. Tier2	Clark 16000	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	No	
		980	1100 Turbo Gr. Tier2	Clark 16000	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	Hydraulic	
H200 T3		820	1104 Turbo Gr. Tier3	Tumer/Carraro	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	No	
	Terex	860 SX	1104 Turbo Gr. Tier3	Tumer/Carraro	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	No	
	100hp	860 PS	1104 Turbo Gr. Tier3	Clark 16000/Carraro	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	No	
	From 8 5645 onwards	880 SX	1104 Turbo Gr. Tier3	Tumer/Carraro	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	Hydraulic	
	90hp	880 PS	1104 Turbo Gr. Tier3	Clark 16000/Carraro	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	Hydraulic	
	From 8 6019 onwards	970	1104 Turbo Gr. Tier3	Clark 16000 / TBL1SPS	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	No	
	Apr-08	980	1104 Turbo Gr. Tier3	Clark 16000 / TBL1SPS	80+80	Rexroth SX 14	Carraro	Carraro	Curved Glass	Hydraulic	
Series	Name	Model	Engine	Transmission	Pump Flow	Hydraulics	Front Axle	Rear Axle	Cab	Servo	
80 Series	Terex	Oct-10	840SM	1104 Turbo Gr. Tier3	Carraro TBL1	80+60	Walvoil	Carraro	Carraro	Green House	No
	94hp or 840		840PS	1104 Turbo Gr. Tier3	Carraro TBL1 SPS	80+60	Walvoil	Carraro	Carraro	Green House	Hydraulic
	From A 1001 onwards		840PM	1104 Turbo Gr. Tier3	Carraro TBL1 SPS	80+60	Walvoil	Carraro	Carraro	Green House	No
		Oct-11	890PM	1104 Turbo Gr. Tier3	Carraro TBL1 SPS	80+80	Rexroth SX 14S	Carraro	Carraro	Green House	No
	100hp or 890		890SM	1104 Turbo Gr. Tier3	Carraro TBL1	80+80	Rexroth SX 14S	Carraro	Carraro	Green House	No
	From		890PS	1104 Turbo Gr. Tier3	Carraro TBL1 SPS	20-160	Rexroth SX 14S	Carraro	Carraro	Green House	Hydraulic

## 80 Series Models

TLB890PS uses a Casappa Variable Displacement Piston Pump

820 - 860



970 - 980



TLB840



TLB890



October 2012