

> INDEX:

- ▶ Introduction
- ▶ Ergonomy & Safety features
- ▶ Main components
- ▶ Options

TERBERG

YT 182 / 222 / 282

The next generation Terminal Tractors



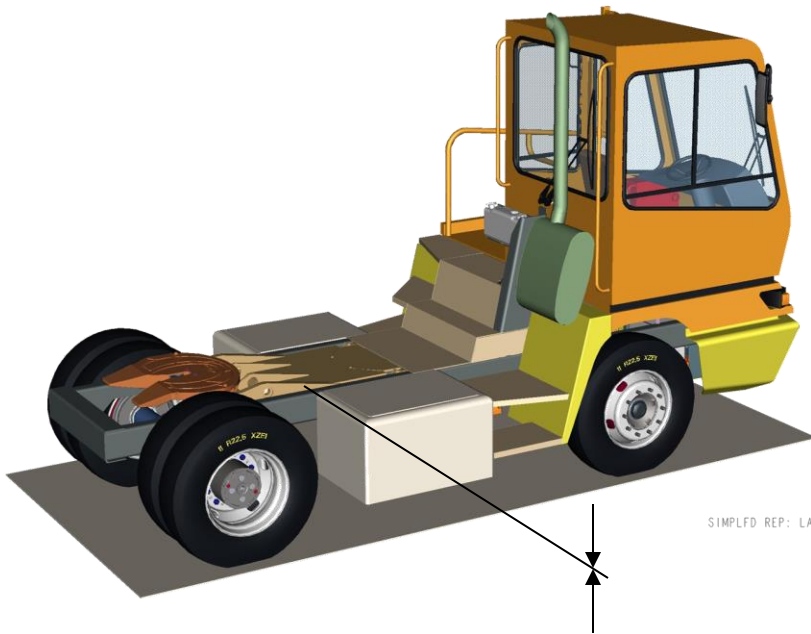
TERBERG

INTRODUCTION

TERBERG YT - 182 / 222 / 282

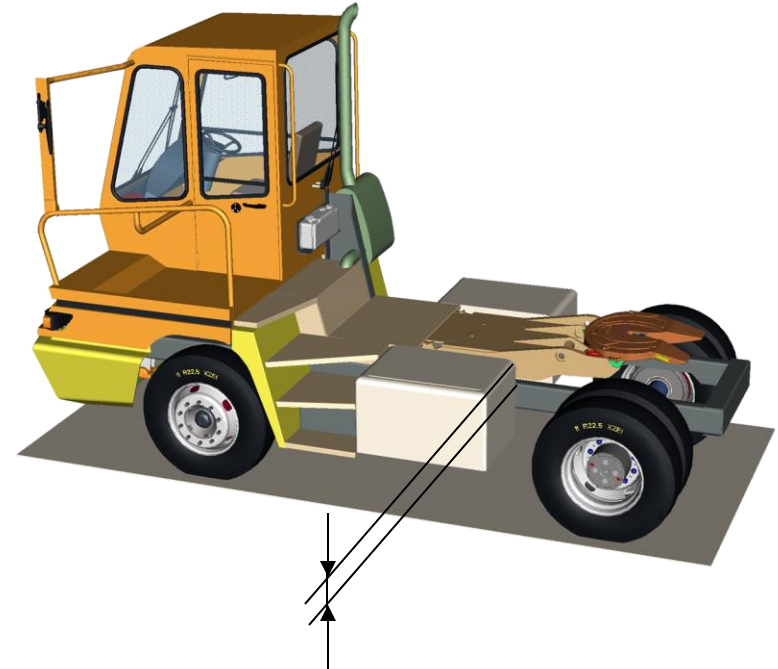






> LOW MOUNTED LIFTFRAME

Lift Capacity
Max. 27 / 31 TON



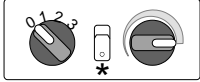
> HIGH MOUNTED LIFTFRAME

Lift Capacity
Max. 34 / 36 TON

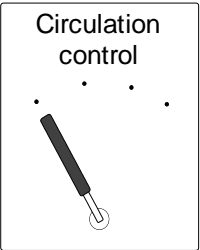
> DECK HEIGHT ADJUSTED TO LIFTFRAME POSITION

➤ INTERIOR





Switch Heater Switch airco (Optional) Temperature control



Circulation control

HEATER CONTROL

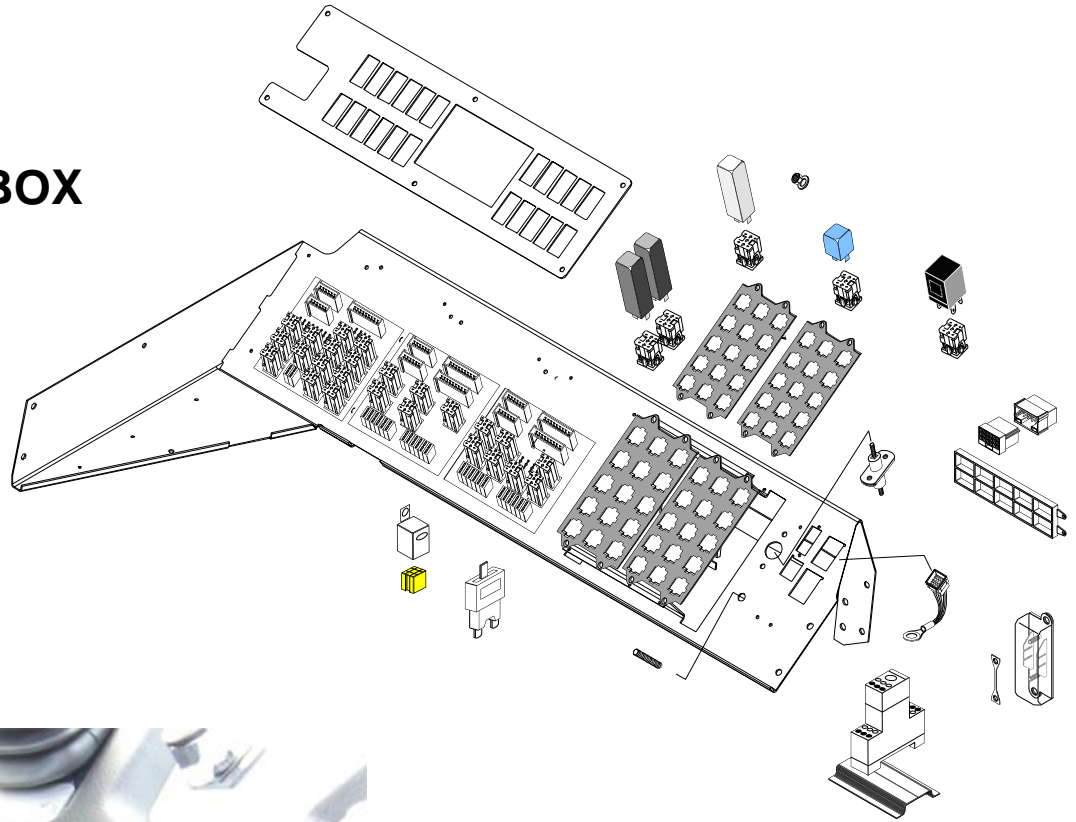


FRESH AIR-INTAKE

> CABIN HEATING SYSTEM



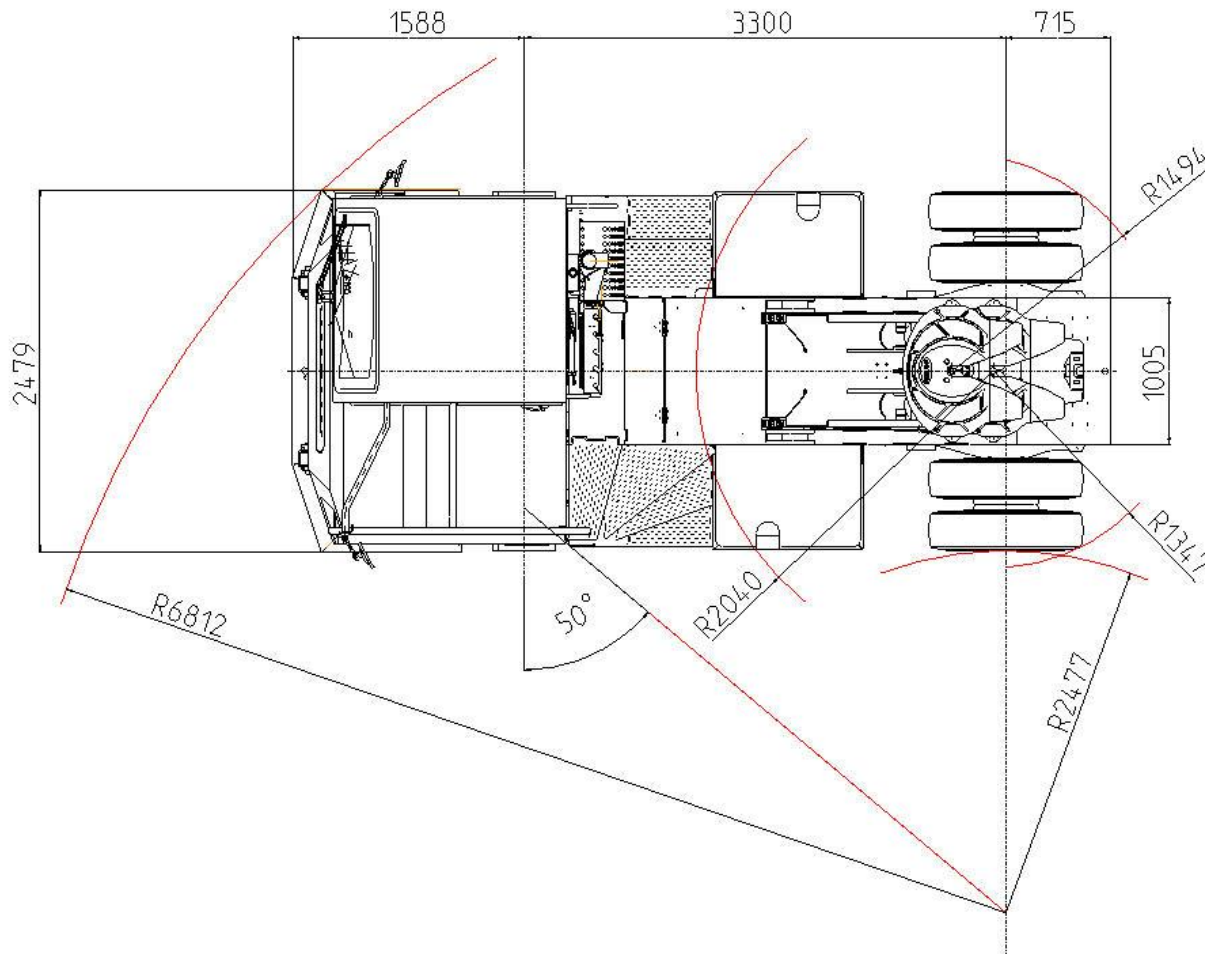
> ELECTRO SWITCHBOX



> Switches & check lights with LED



➤ **TURNING CIRCLE**



MAX. STEERANGLE YT= 50°
DIMENSIONS VARY BY
DIFFERENT WHEELBASES,
TIRE SIZES, ETC.



> SURFACE PROTECTION

> TRACTOR + ASSEMBLY PARTS:

- > Completed chassis construction is prior shot blasted
- > All steelwork is then pre-painted in 2- component chassis coating
- > After the final assembly a final layer of 2- component chassis coating is supplied

> TRACTOR CABIN:

- > All steelwork is shot blasted
- > Cabin seams are filled up with sealing
- > After this it is painted in 3 layers: primer, 2- component epoxy primer & PU finish layer

> ALL PAINT SYSTEMS FULFIL THE LATEST ENVIRONMENTAL REQUIREMENTS



> TOTAL COSTS OF OWNERSHIP

TERBERG CONTRIBUTES TO THE WELL BEING AND OPTIMUM PERFORMANCE OF YOUR STAFF, THROUGH THE FOLLOWING ERGONOMICALLY VERY IMPORTANT MEASURES:

- > Low noise level inside and outside**
- > A very spacious, comfortable cabin**
- > Low cabin vibration level, using special rubber mountings**
- > Cabin air filtration, ensuring a clean driver environment**
- > Optimum temperature control**
- > Ergonomically positioned driver seat and instrument / controls lay out**
- > Standard air suspended seat, giving optimum driving comfort**
- > Safe and easy cabin and work platform entrance**
- > Easy, ergonomical access to all drive line components**
- > Cabin is Rops - Fops tested, to ensure driver safety**

ALL IN ALL WILL THESE MEASURES RESULT IN LESS DRIVER FATIGUE / RISK, WHICH MEANS LESS ACCIDENTS AND ASSOCIATED LABOUR COSTS

> TOTAL COSTS OF OWNERSHIP

TECHNICAL ADVANTAGES:

- > Usage of robust and well dimensioned components reduce the M&R requirement**
- > Easy and simple installation of tractor components for a quick and efficient M&R**
- > All componentry is installed well protected, to reduce risk of down time due to accidental damage**
- > Easy and good accessible daily inspection points, increase tractor utilisation and reduce M&R costs**

REDUCTION OF FUEL CONSUMPTION:

- > Efficient engine cooling**
- > Inventive, flat radiator, easy to maintain, for an optimal heat exchange**
- > Optimum steering geometrie reduces rolling resistance and improves tyre lifetime**
- > Optional possibilities for speed and RPM limitation**
- > Optional air conditioning cutout**
- > optional engine cut out after X-minutes of idling**

➤ **TERBERG OFFERS OPTIMUM SUPPORT THROUGH:**

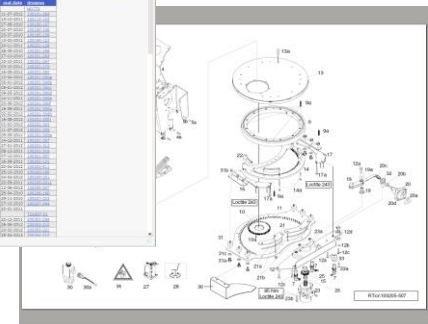
- **Worldwide network of dealers and distributors waiting to assist you.**
- **Large ware house holding all required parts in stock, also for the older Terberg vehicle**



- **Fast parts shipment all over the world**
- **Internet support for parts and warranty**

More info 

Part number	Description	Unit	Quantity
10000000000000000000	WHEEL RIM	PC	1
10000000000000000000	WHEEL HUB	PC	1
10000000000000000000	WHEEL AXLE	PC	1
10000000000000000000	WHEEL NUT	PC	1
10000000000000000000	WHEEL BUSH	PC	1
10000000000000000000	WHEEL BRACKET	PC	1
10000000000000000000	WHEEL SHOCK	PC	1
10000000000000000000	WHEEL SPRING	PC	1
10000000000000000000	WHEEL CARRIER	PC	1
10000000000000000000	WHEEL ASSEMBLY	PC	1





ERGONOMY & SAFETY FEATURES

TERBERG YT - 182 / 222 / 282

ERGONOMY & SAFETY FEATURES



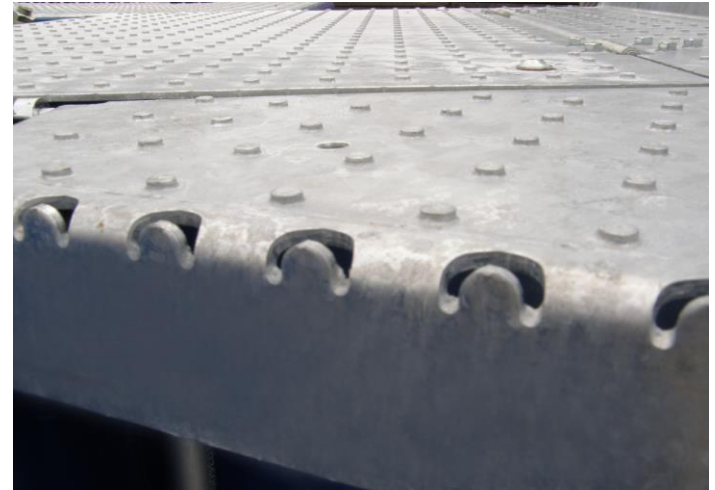
> FROM RIGHT..



> EXCELLENT ACCESS



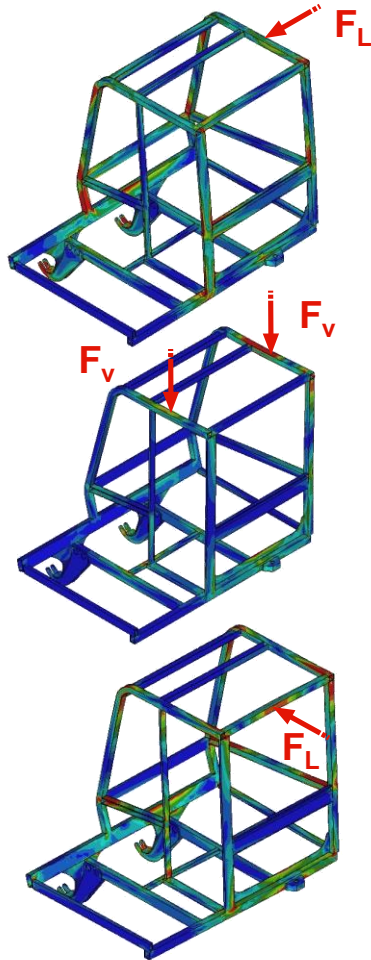
> FROM LEFT..



> **NEW** ANTISKID PLATEWORK



> ROPS & FOPS



LATERAL IMPACT

VERTICAL IMPACT

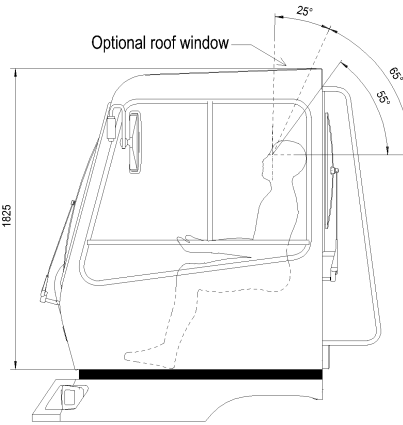
LONGITUDINAL IMPACT



VIEW RIGHT REAR



**> OPTIMUM
VIEW FROM
DRIVERS
POSITION:**



VIEW LEFT REAR



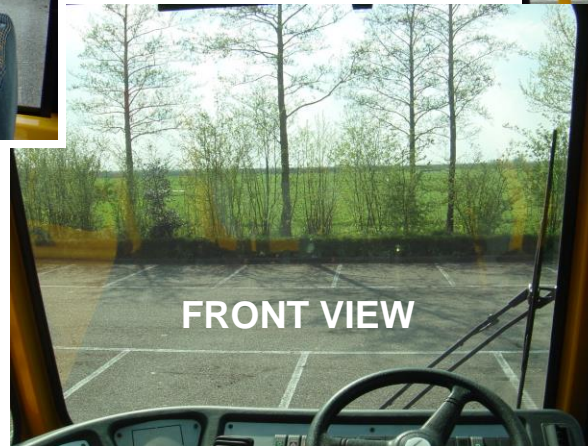
VIEW RIGHT



VIEW LEFT



FRONT VIEW



(For right hand drive)

> DOUBLE SLIDING WINDOW

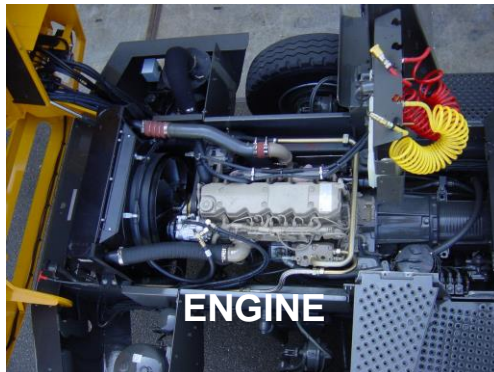


> **AIRSUSPENDED ISRI 6860 / 880
DRIVER SEAT**

- > Automatic weight adjustment
 - > Pneumatic height adjustment with memory function
 - > Backrest adjustment
 - > Horizontal adjustment (230mm)
 - > Tilt adjustment
 - > Adjustable shock absorber (100mm)
 - > Seat cushion adjustment
 - > Pneumatic lumbar support
 - > Quick release (air dump)
 - > 2P seat belt
-
- > **Optional**
 - > Arm rests
 - > Head rest (adjustable / removable)

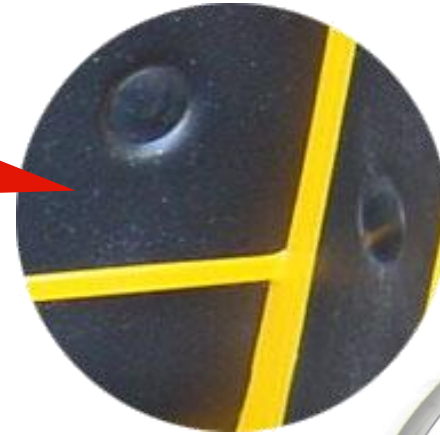
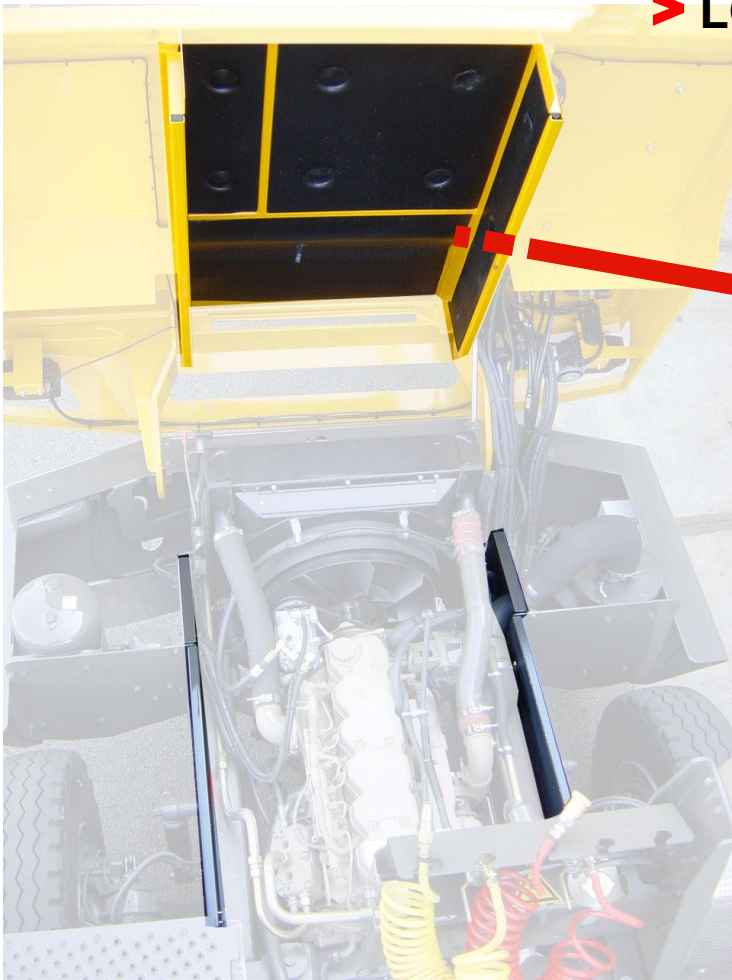


> EASY MAINTENANCE



> LOW INSIDE /OUTSIDE NOISE LEVELS

> Noise insulation standard integrated



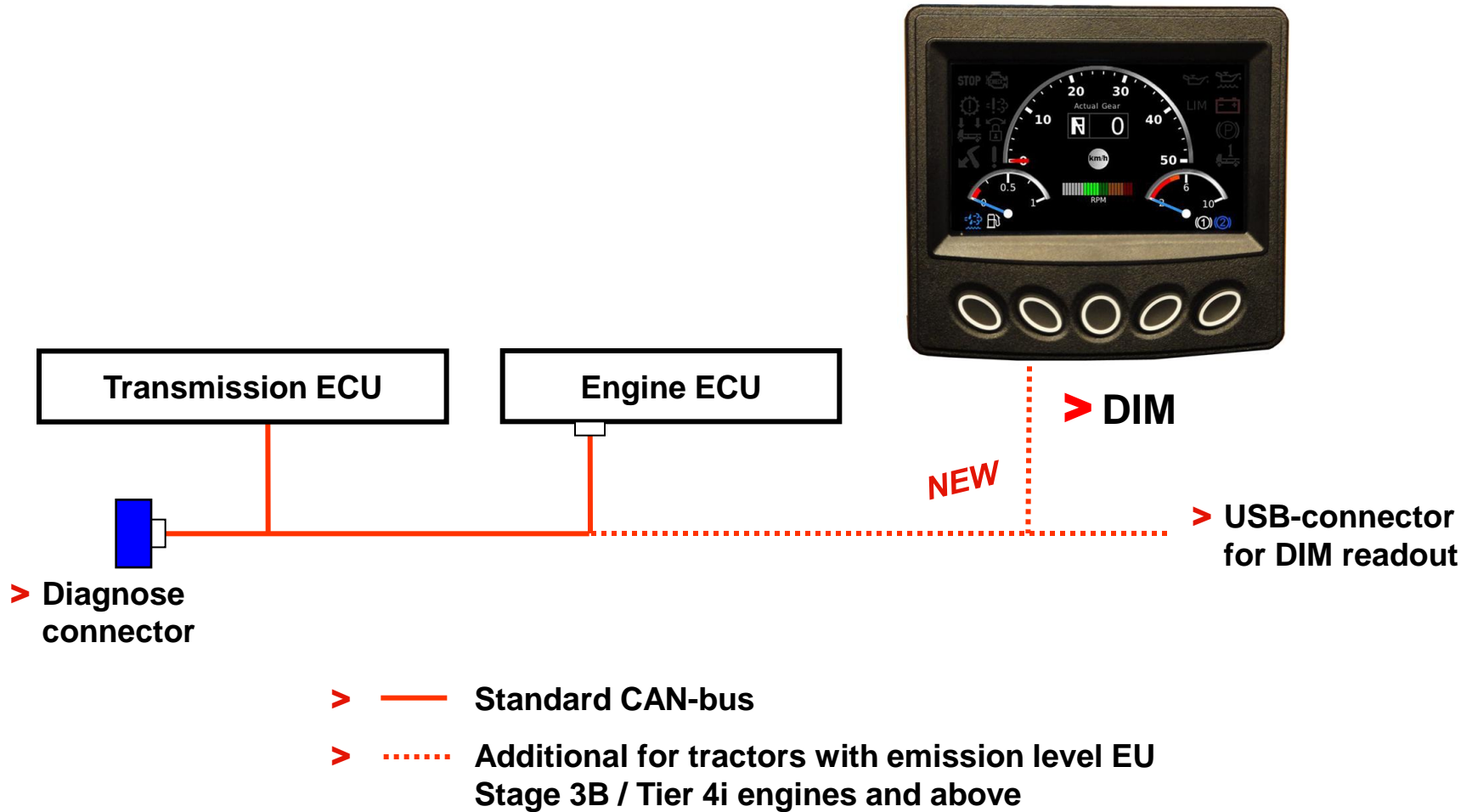
> Engine with visco fan standard



- > Newest driveline components are designed to produce less noise**
- > Standard Allison fuel efficiency package with Low RPM shift programs**
- > Big volume silencer offering best possible silencing**

More info 

> CAN CONTROLLED ELECTRICAL SYSTEM





> MULTIFUNCTIONAL *NEW*
Driver Information Module

- > DIM becomes standard with EU Stage 3B / Tier 4i engines and above**
- > For tractors with lower emission level engines the original dashboard instrument stays in use**



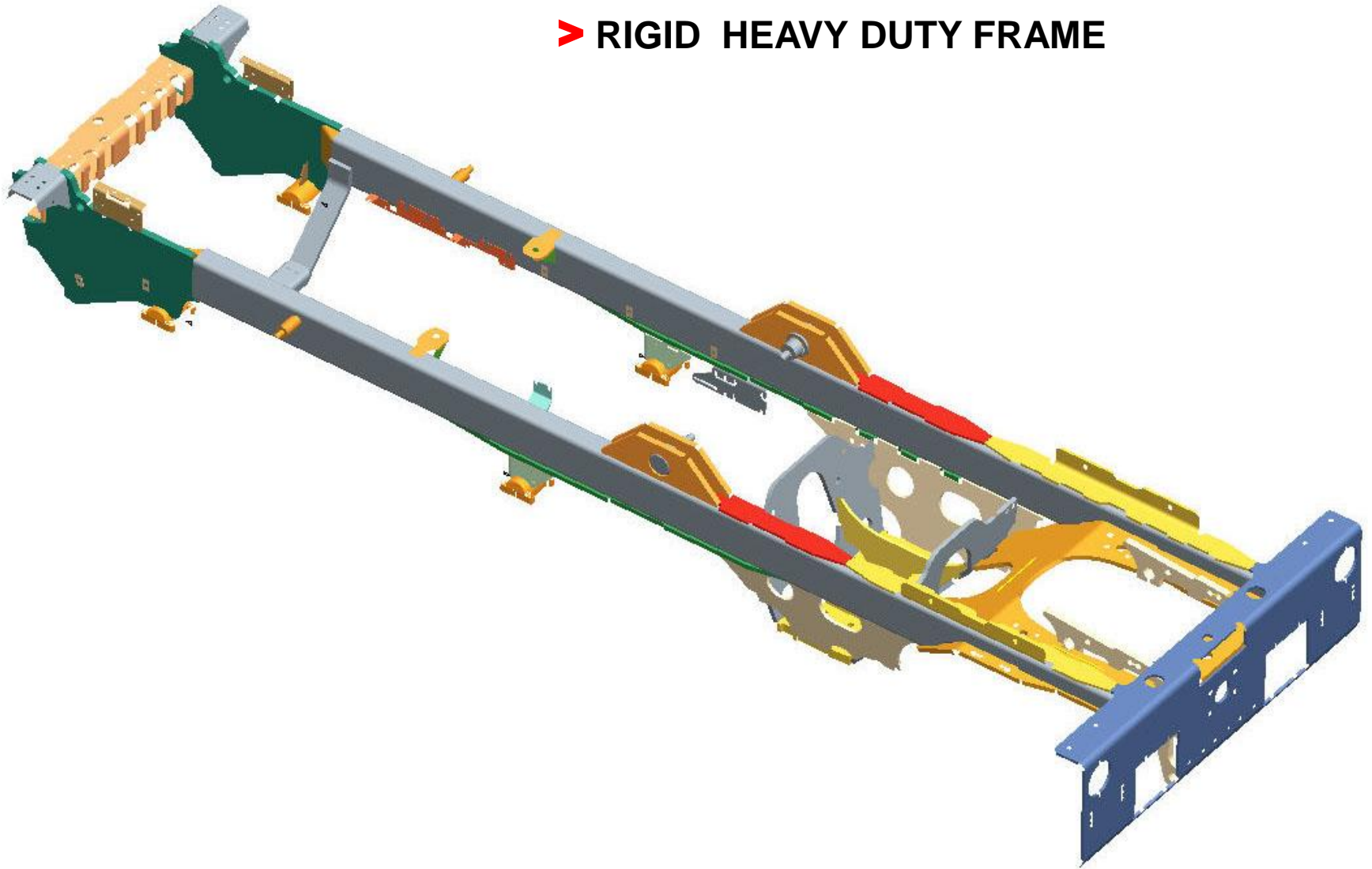
TERBERG

MAIN COMPONENTS

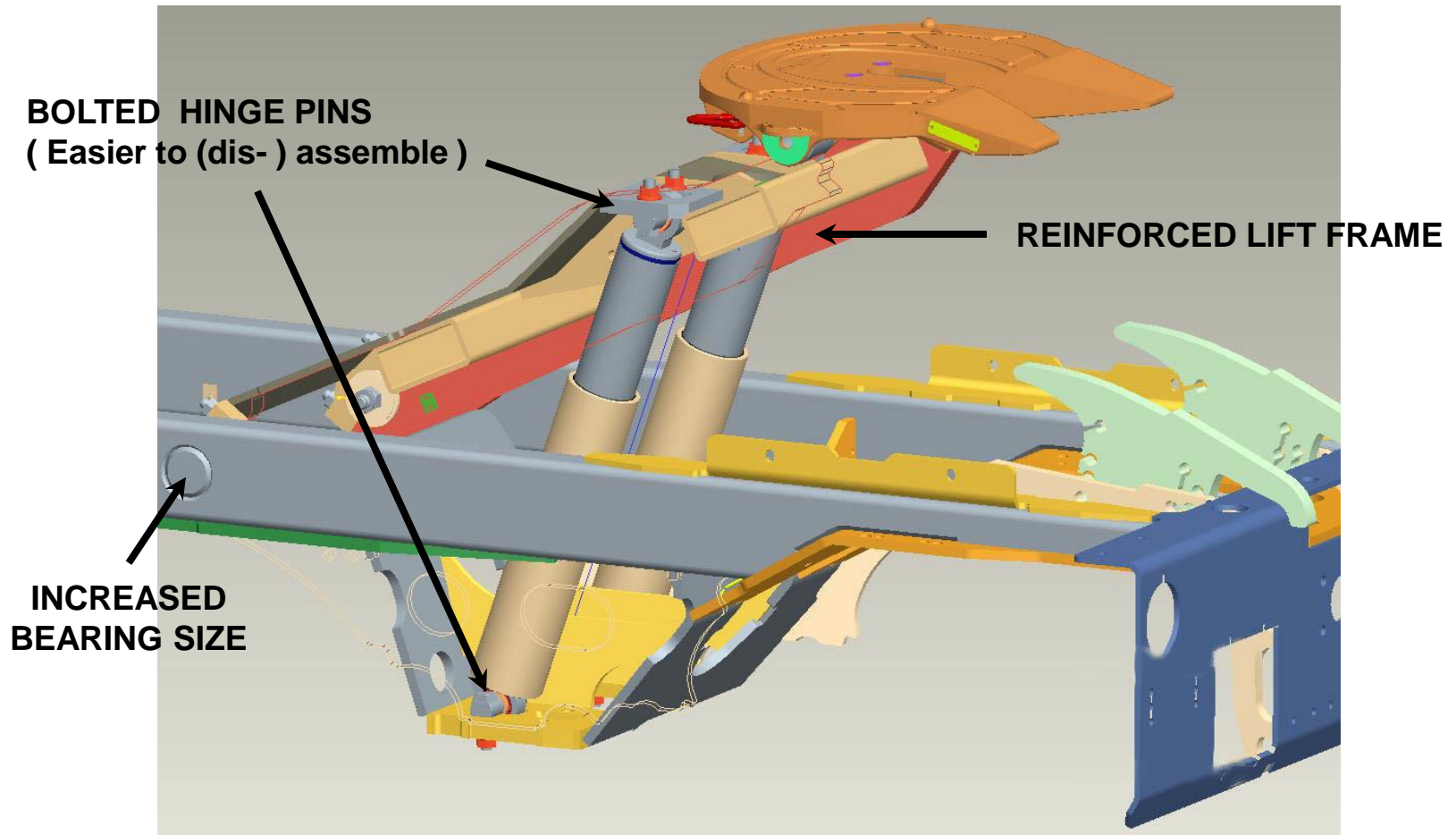
TERBERG YT - 182 / 222



➤ RIGID HEAVY DUTY FRAME



> IMPROVED LIFT FRAME MOUNTING

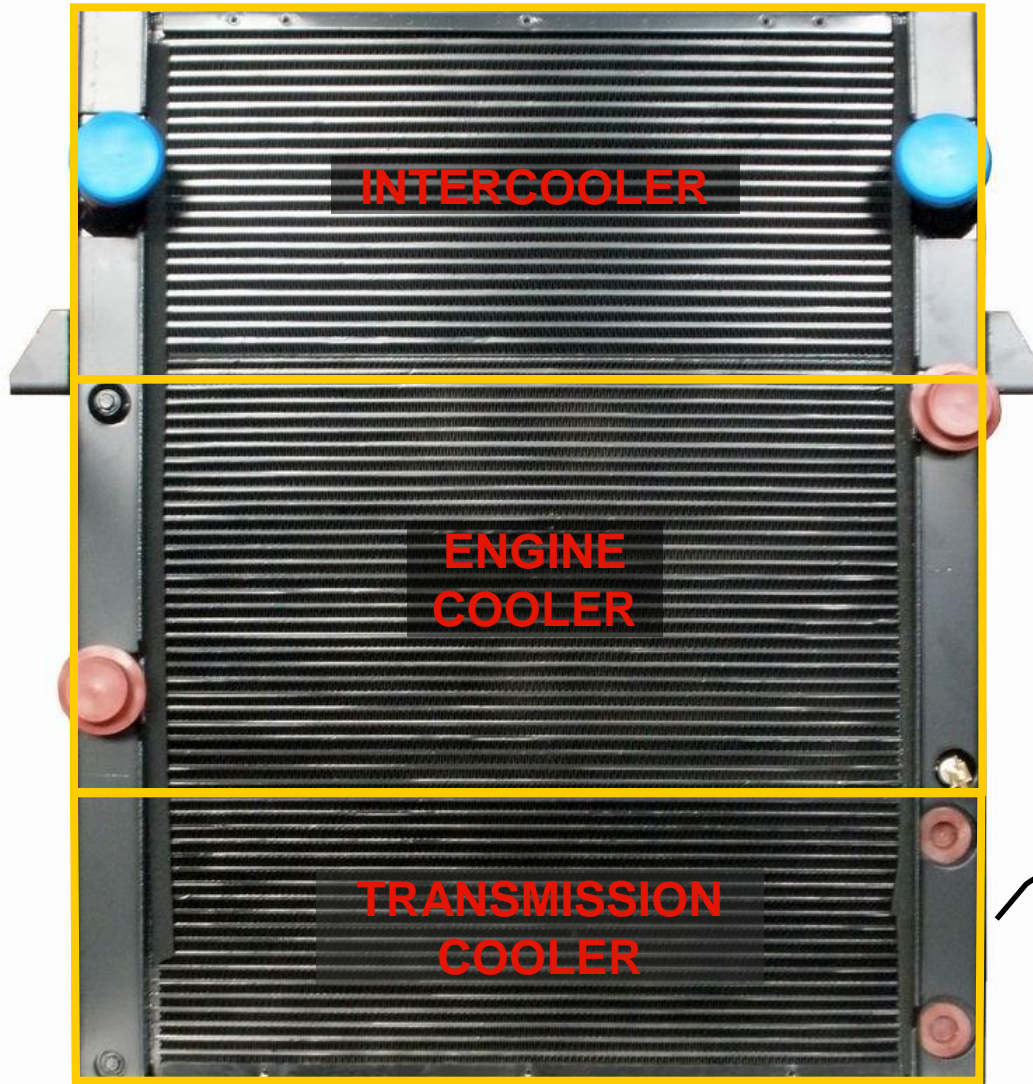


> STANDARD REAR BUMPER



**Prepared for installation of
all kind of rear / working
lights / connectors etc.**

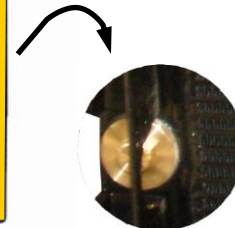




➤ **RADIATOR**

- Enlarged frontal surface
- 3 independent coolers on top of each other

- Independent cooler processes
- More open structure
- Easier to clean



THERMOSTATIC VALVE

> ENGINE AIR INTAKE SYSTEM

(Air filter always located on turbo side)



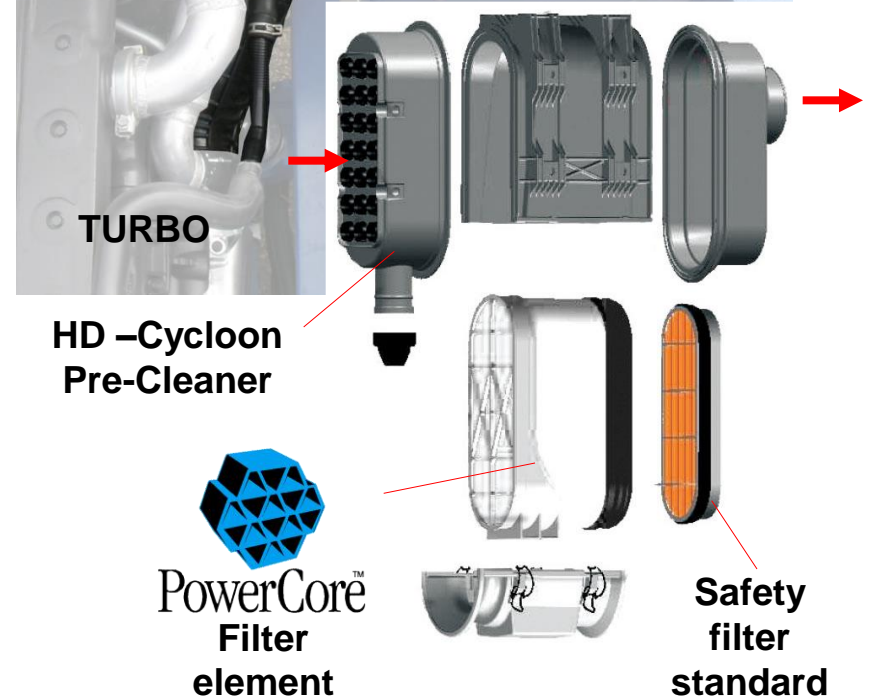
AIR-FILTER



TURBO



**PowerCore
AIR-FILTER**



> Standard for EU-Stage 2 - 3A / Tier 2 - 3

**> Standard for EU-Stage 3B - 4 /
Tier 4i - 4f & Euro 5**

> ENGINES

EU Stage 4 / Tier 4f

NEW

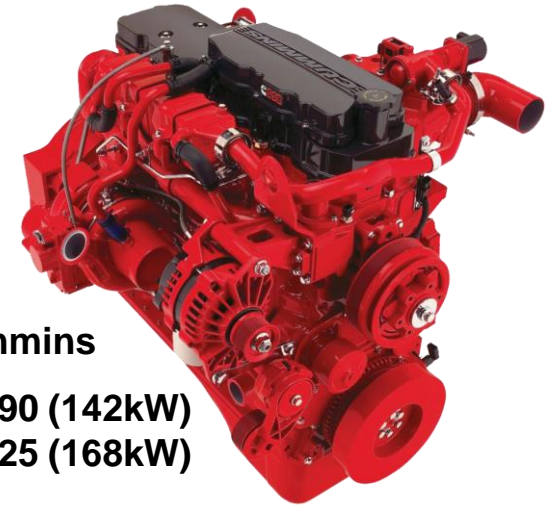
VOLVO PENTA

**TAD870VE
(160kW)**

SCR Aftertreatment



More info ▶



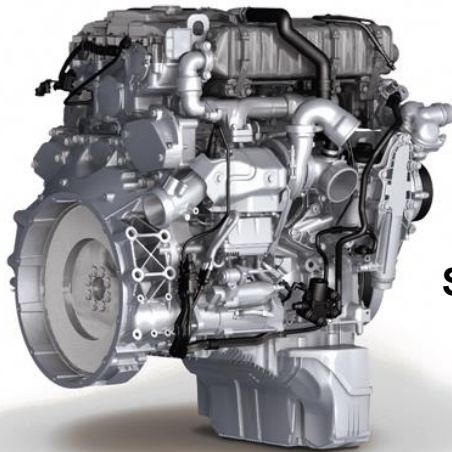
Cummins

**QSB6.7-190 (142kW)
QSB6.7-225 (168kW)**

SCR Aftertreatment

More info ▶

EU Stage 3B / Tier 4i

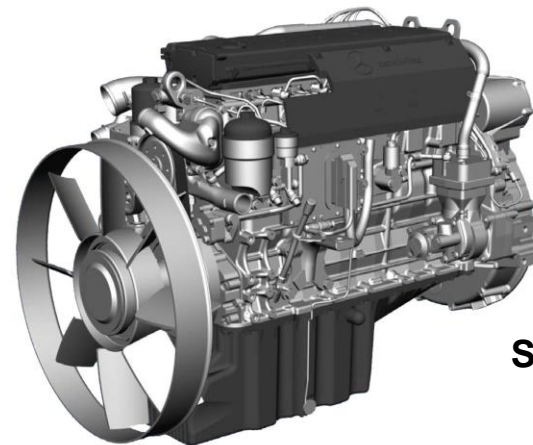


MERCEDES

**OM 934 LA
(129 / 170kW)**

SCR Aftertreatment

More info ▶



MERCEDES

**OM 926 LA
(175kW)**

SCR Aftertreatment

More info ▶



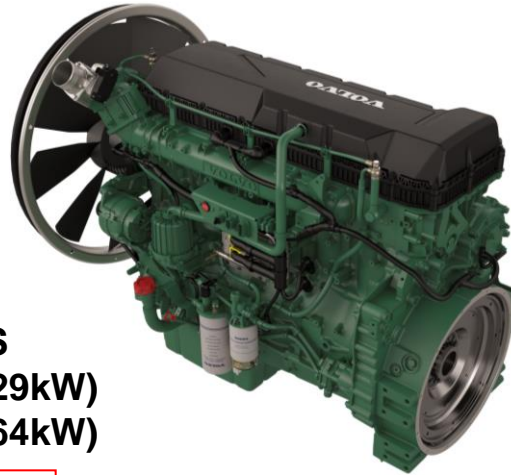
> ENGINES

**EU Stage 3A / Tier 3
For outside EU / USA / CA only**



**CUMMINS
QSB6.7 173 (129kW)
QSB6.7 220 (164kW)**

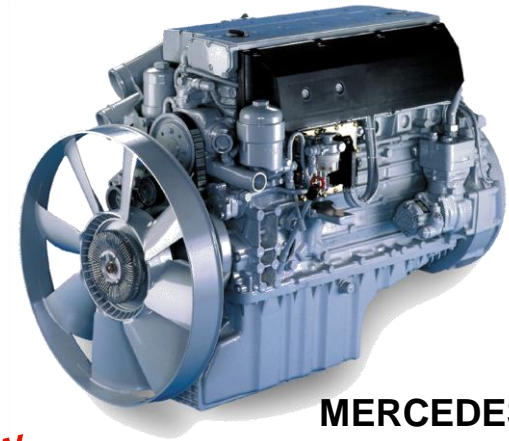
More info ▶



NEW

**VOLVO PENTA
TAD850VE
(160kW)**

More info ▶



**MERCEDES
OM 906 LA
(130 / 170kW)**

More info ▶

Euro5 On-road regulations



**CUMMINS
ISB6.7E5 205 (146kW)
ISB6.7E5 225 (162kW)**

SCR Aftertreatment

More info ▶

**EU Stage 2 / Tier 2
For outside EU / USA / CA only**

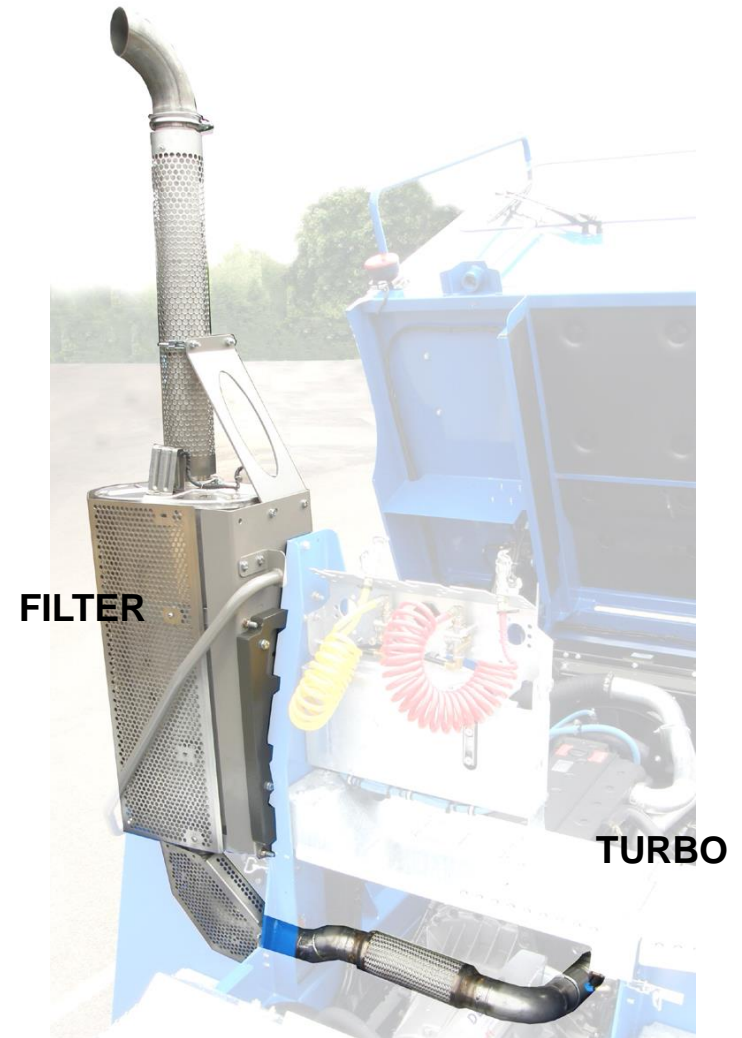
**VOLVO PENTA
TAD720VE (170kW)**

More info ▶



➤ **ENGINE EXHAUST SYSTEM**

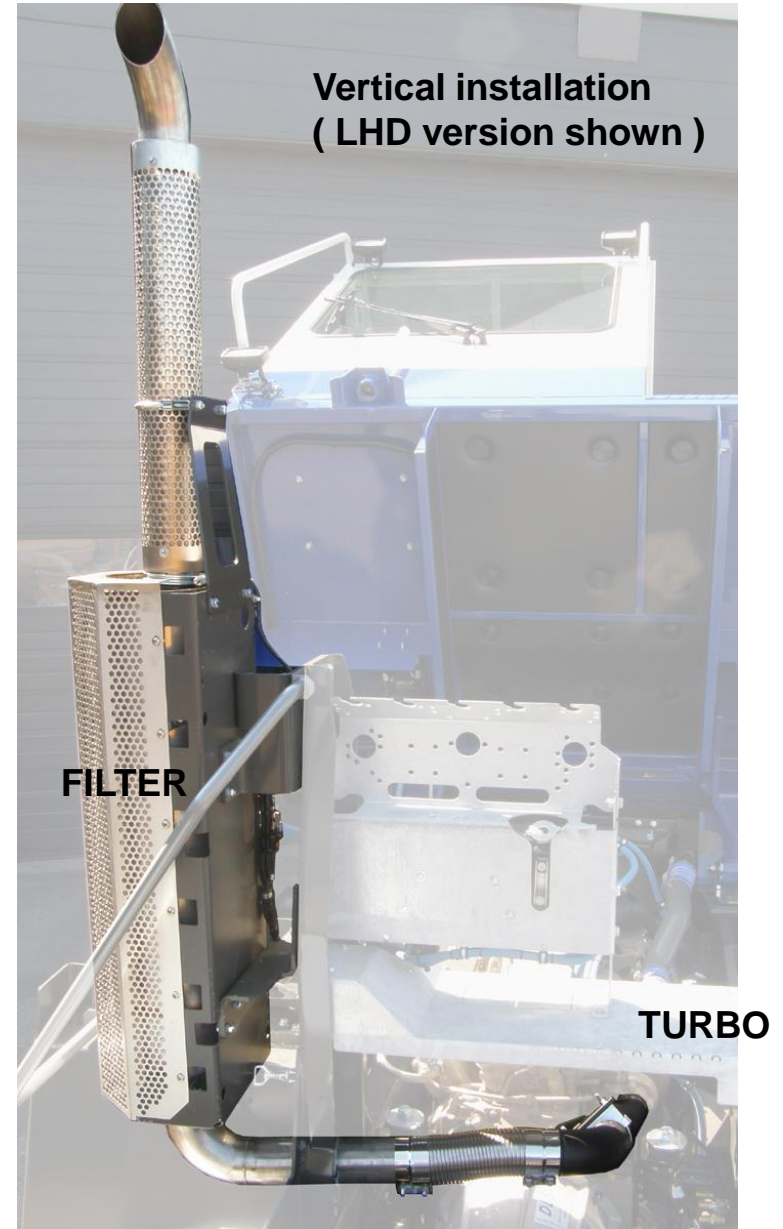
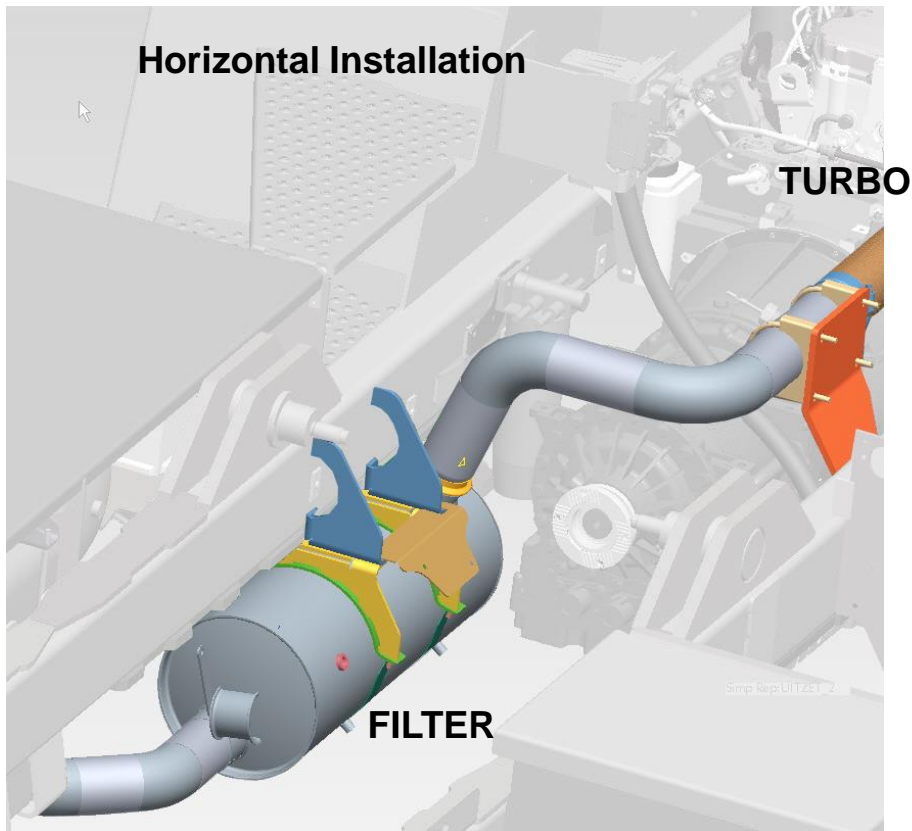
- Standard for
EU Stage 2 – 3A / Tier 2 – 3
(RHD version shown)



- For Mercedes
EU Stage 3B - 4 / Tier 4i - 4f with
SCR Aftertreatment
(LHD version shown)

> ENGINE EXHAUST SYSTEM

- > For Cummins
EU Stage 4 / Tier 4f & Euro 5 with
SCR Aftertreatment
(LHD version shown)**

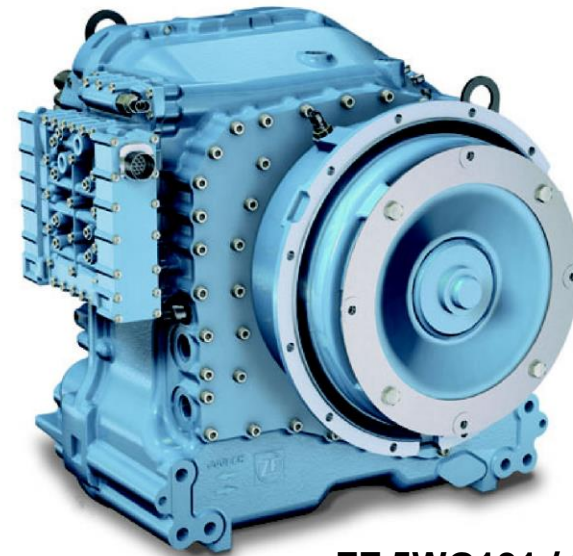


> TRANSMISSIONS



ALLISON 3000

More info ▶



ZF 5WG191 / 6WG211

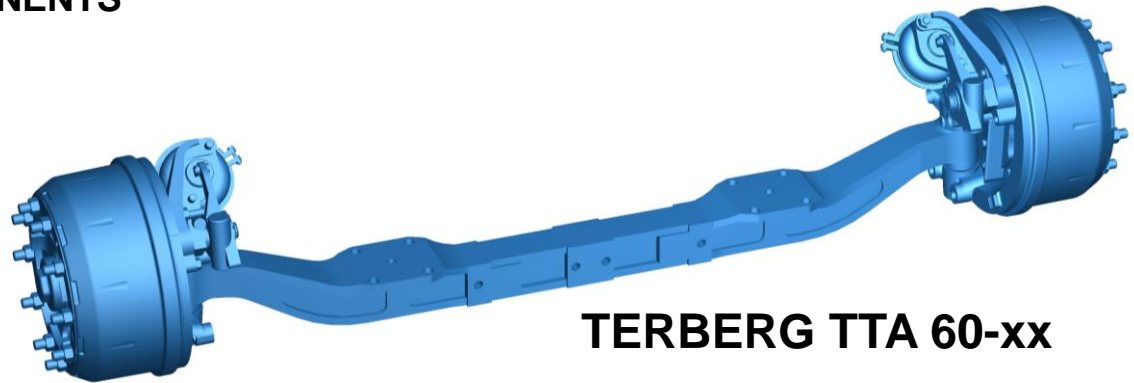
More info ▶

ZF 3WG161 / 3WG171



> **FRONT AXLE**

Non-Driven

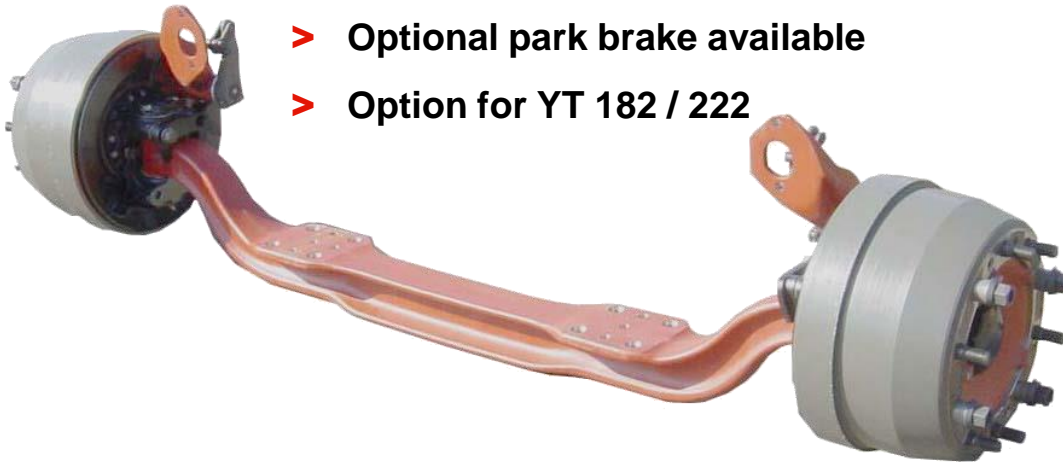


TERBERG TTA 60-xx

- > Medium duty
(10Ton @ 20km/h)
- > Drum brake (S-cam)
- > Optional park brake available

VOLVO FA8.2-LOW

- > Heavy duty (11Ton @ 20km/h)
- > Drum brake (Z-cam)
- > Optional park brake available
- > Option for YT 182 / 222



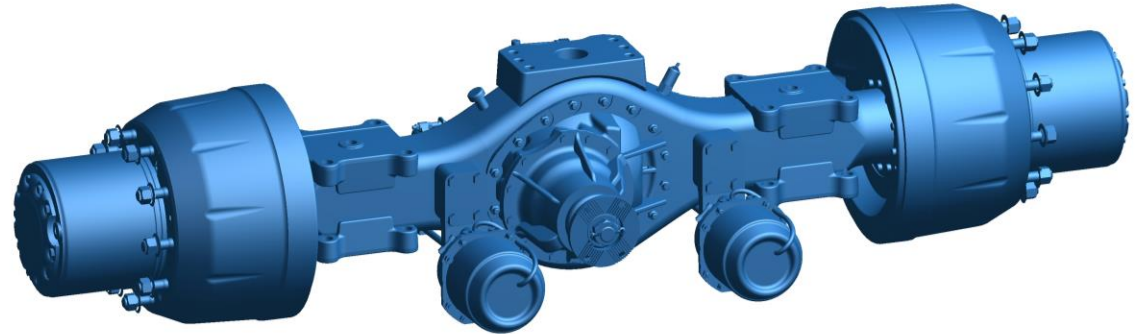
TERBERG TTA62-xx

- > Heavy duty
(11Ton @ 20km/h)
- > Drum brake (S-cam)
- > No park brake option available

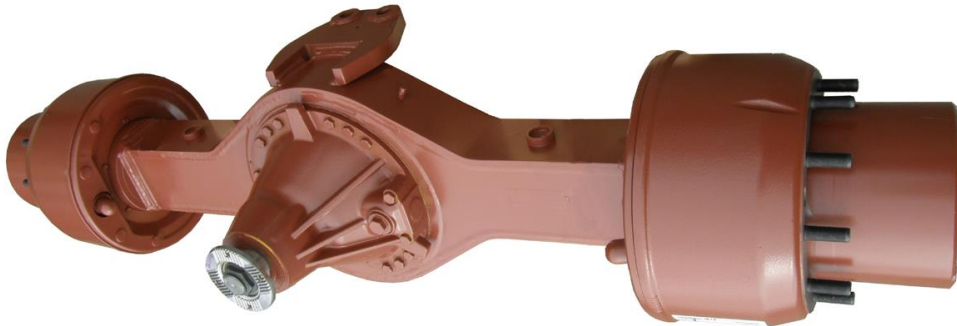
➤ REAR AXLE

TERBERG TTA 70-xx

- Drum brake (S-cam)
- Ratio's 9.49:1 / 11.98:1



OPTION YT 182 / 222:



KESSLER D81PL478

- Drum brake (simplex wedge)
- Ratio's 9.76:1 / 12.73:1 / 16.13:1

KESSLER D81PL477

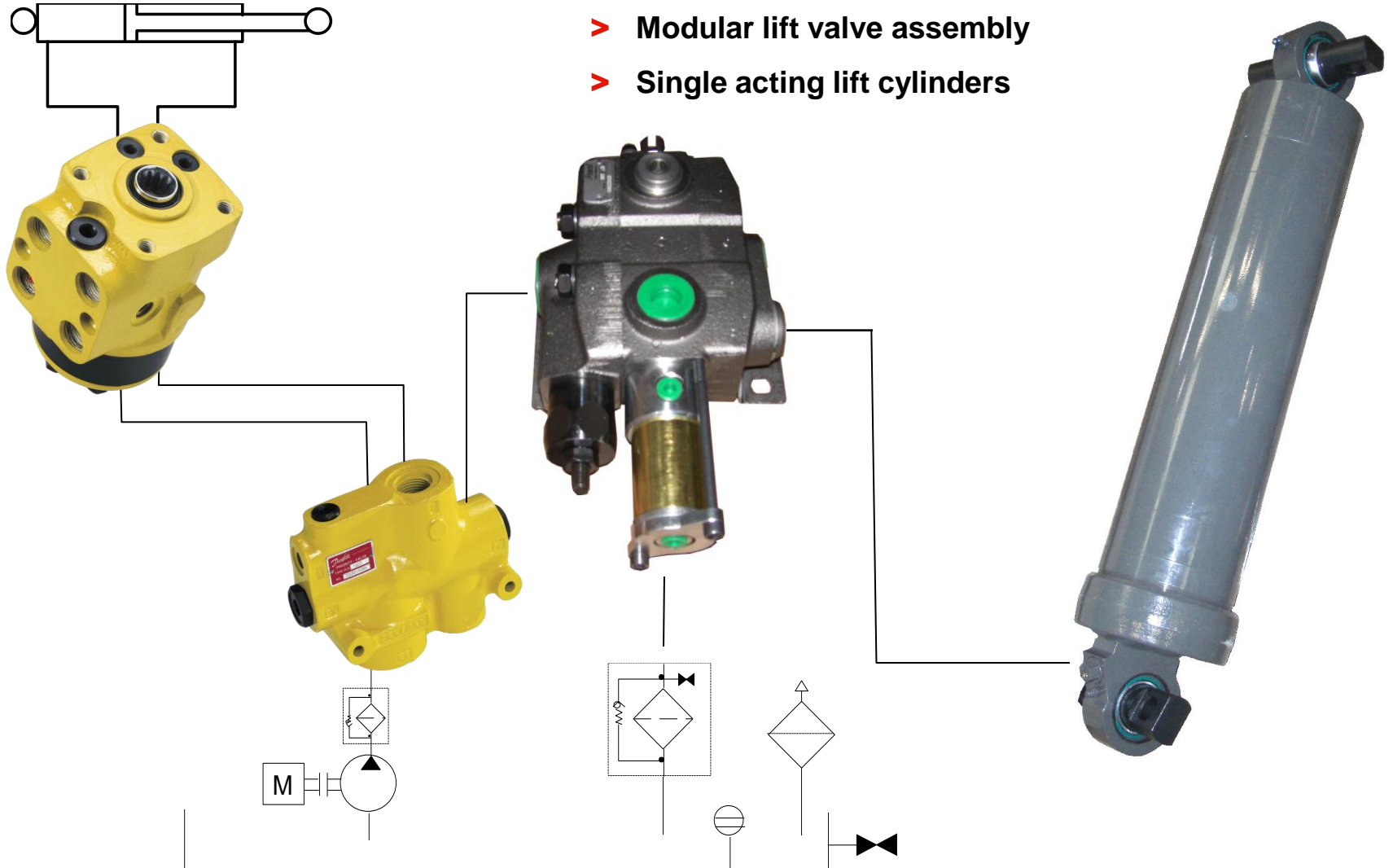
- Disk brake
- Ratio's 13.2:1 / 16.36:1



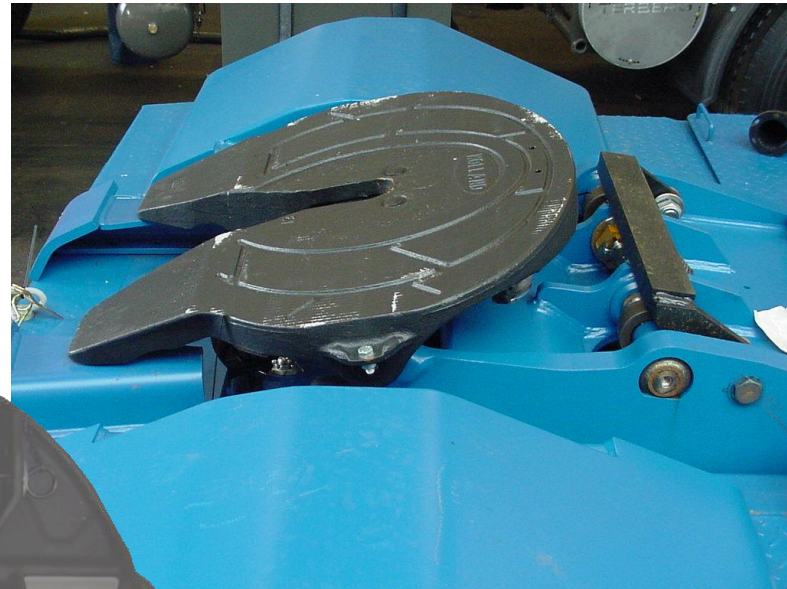
All Axles fully bolted,
no weld on parts

> HYDRAULIC SYSTEM

- > Priority valve, low noise
- > Steering orbitrol: Dynamic load sensing, low noise,
- > Modular lift valve assembly
- > Single acting lift cylinders



**> HEAVY DUTY
2" & 3.5"
FIFTHWHEEL**

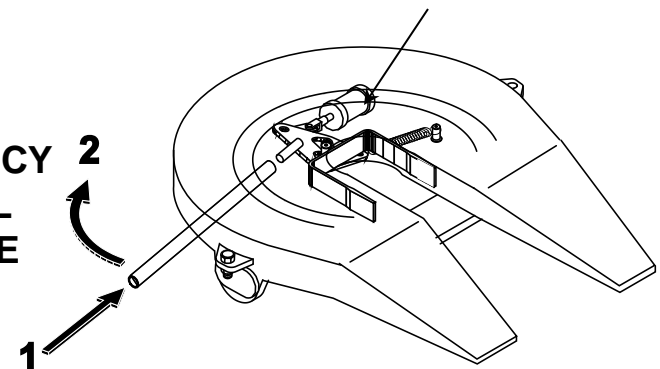


NEW SENSORS:

- > Lock sensor better positioned**
- > King pin sensor not sensitive for metal debris**

**AIR RELEASE
OPERATED
FROM CAB**

**EMERGENCY
MANUAL
RELEASE**



TERBERG

Options shown is a selection
of most common used.
More options are available,
ask your Terberg representative for
more details.

OPTIONS

TERBERG YT - 182 / 222 / 282





> LEFT AND RIGHTHAND DRIVE

> **FULL WIDTH CABIN**

For use as trainings
vehicle or as crewcab



➤ **CABIN SIDE DOOR**



➤ CABIN REAR SLIDING DOOR



➤ **AIRSUSPENDED ISRI DRIVER SEAT**

➤ **Optional seat: 6500 / 517**

➤ **Optional seat: 6500 / 517 Pro**

Equipped as 6500/517 but with extra:

- **Lower seat cushion adjustment**
- **Horizontal suspension**
- **Lumbar adjustment**
- **Heating**



> **AIRSUSPENDED ISRI DRIVER SEAT**

> **Optional seat: 6860 / 880 Lux**

Equipped as 6860 / 880, with extra:

- > Horizontal suspension
- > Seat heating

> **Optional seat: 6860 / 870 Lux**

Equipped as 6860 / 880 Lux, with extra:

- > Integrated 3P seat belt
- > Adjustable / removable head rest

> **Arm rests are optional**



➤ **SECOND SEAT**
FOLD AWAY



➤ **AIRCONDITIONER**

- Integrated in heater
- Manual operated or with ECC

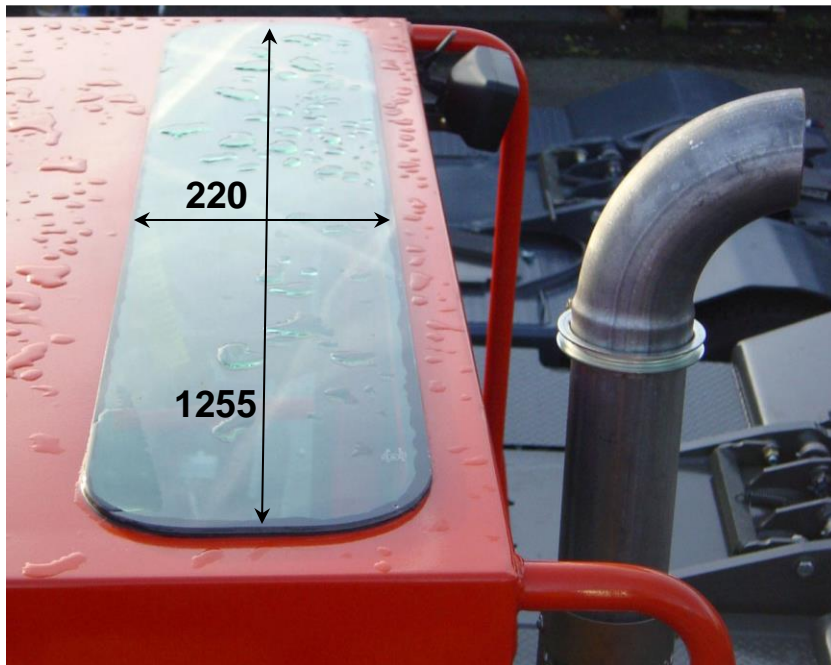
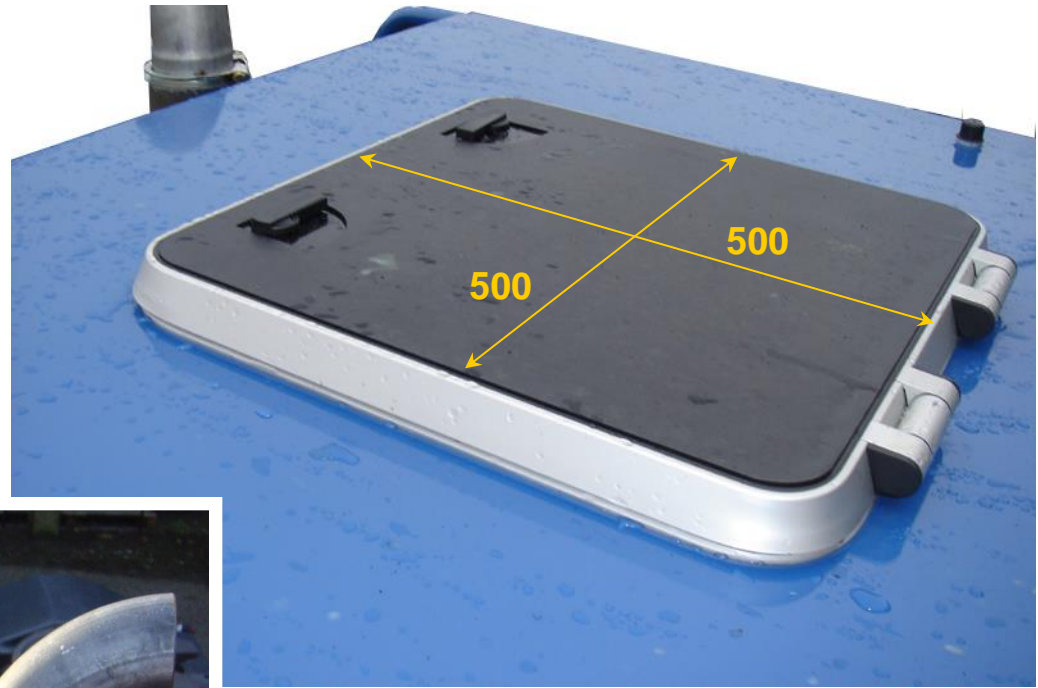


(With ECC no speedometer possible)

➤ RDT MOUNTING PROVISION



➤ **ROOF WINDOWS /
MANHOLES**



> MIRRORS



Not heated versions

> Curb Mirror

> Wide angle Mirror

> Standard Mirror



Heated versions

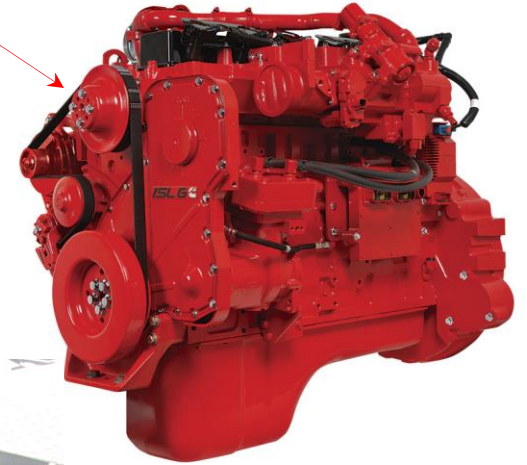
> **LNG POWER**
(**L**iquefied **N**atural **G**as)

- > Exhaust Catalyst
- > Vent stack



CUMMINS
ISL G 250 (186kW)

More info 



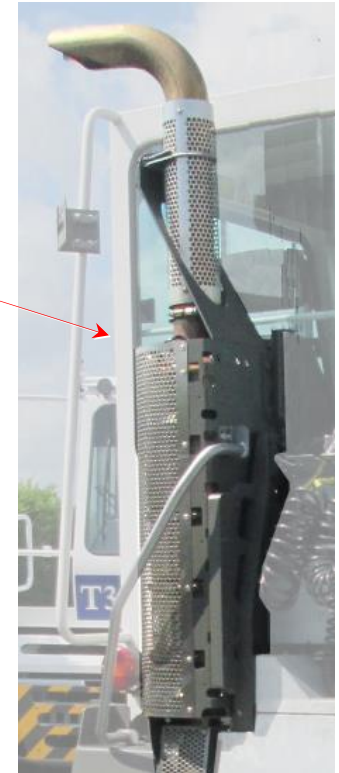
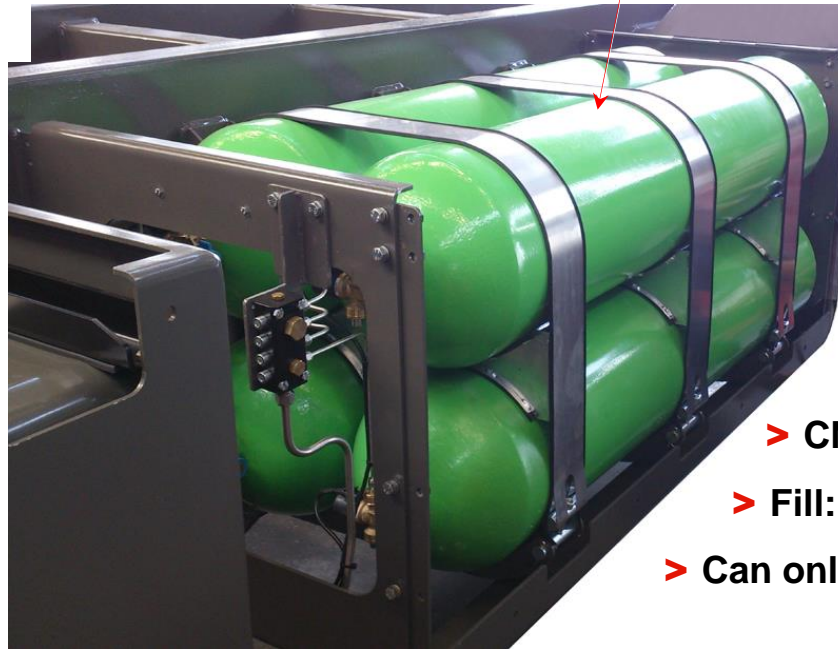
- > LNG Gas tank
(Isolated)
- > Fill: Parker Kodiak
Vent: QDV connection
- > Required Min.
wheel base 3500mm

> **CNG POWER**
(**C**ompressed **N**atural **G**as)



CUMMINS
ISL G 250 (186kW)

More info 



> **Exhaust Catalyst**

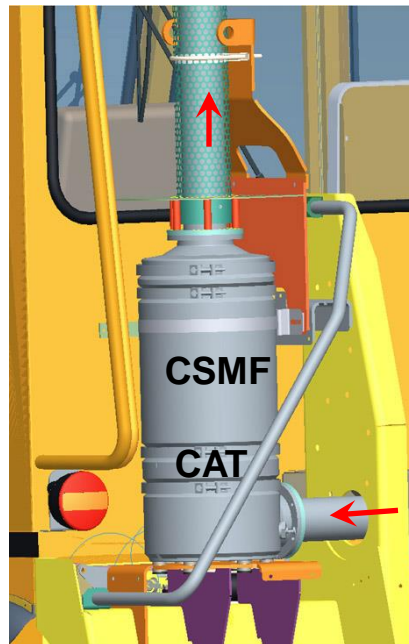
> **CNG Gas tanks (L & R)**

> **Fill: NGV1 optional: NGV2**

> **Can only be used in extended wheel base vehicles**

➤ EXHAUST GAS PURIFIER

- Catalytic filter (CAT)
- Sintered metal filter (CSMF)
- No additional heater required
- Pressure datalogger with warning for cleaning
- Cleaning possible with high pressure water
- Only available for Euromot 3A / Tier3 engines



> **IMPACT PROTECTION SYSTEMS**



> **Front bumper reinforcement**



> **Additional cab guard**

> **Bolt on front protections**



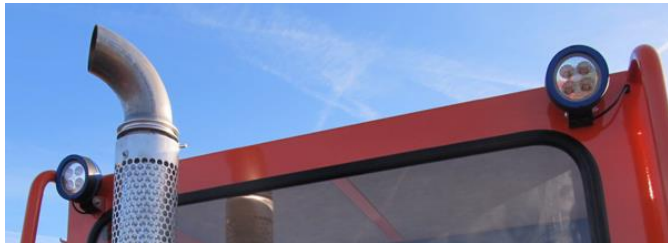
> LIGHTS



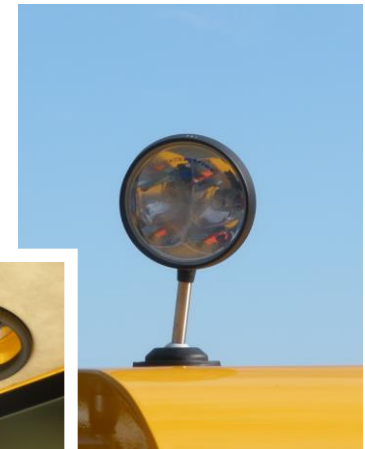
LED



> Flashing Beacon



> Search light



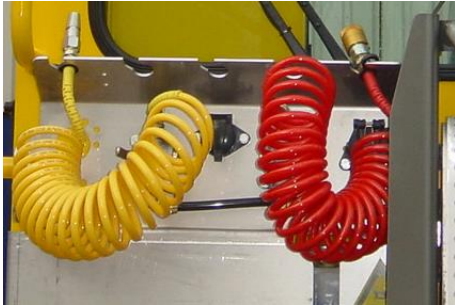
> Work lights



➤ LED FRONT LIGHTS



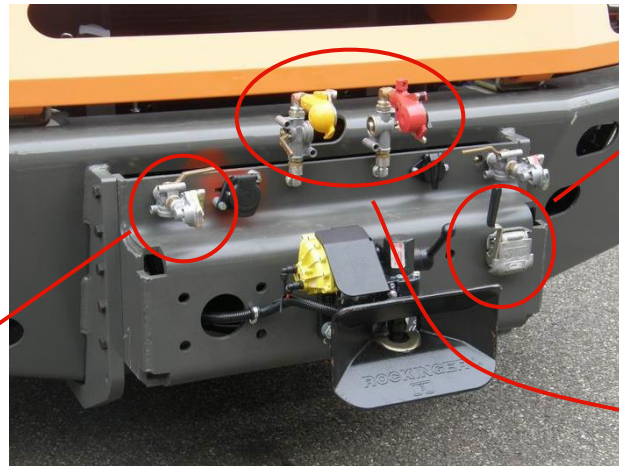
**> TRAILER CONNECTIONS
AIR BRAKE SYSTEM**



> C - coupling

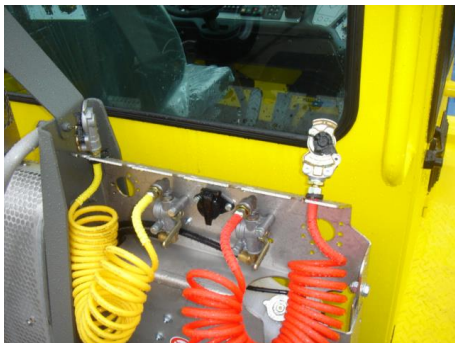


> Duo-matic



**> Palm coupling
(glad hands)**

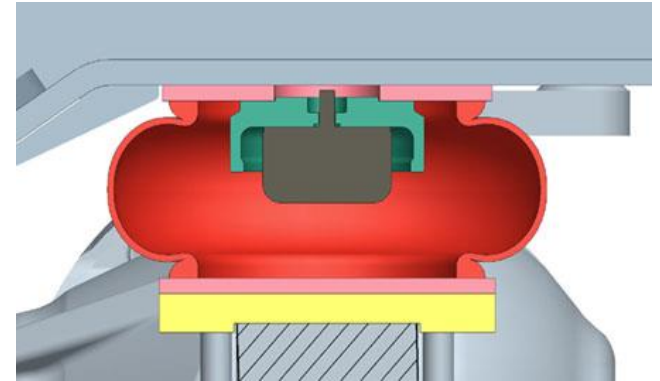
**> Palm coupling
(glad hands)
automatic**



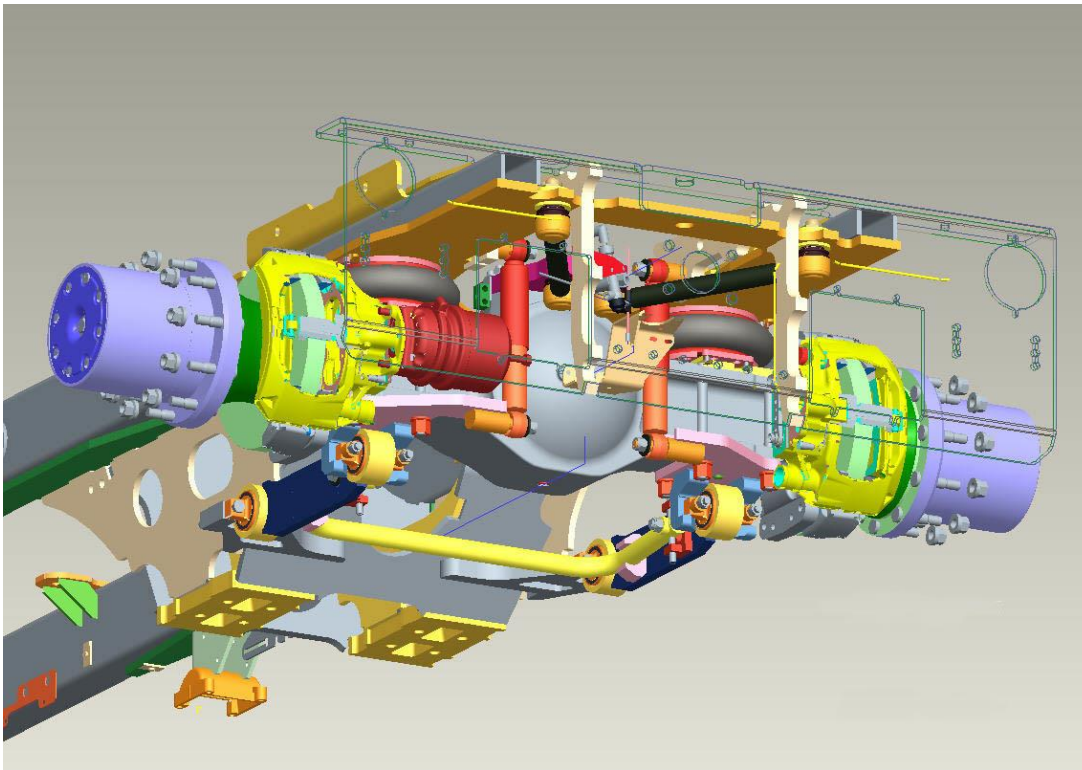
> AIR SUSPENSION

UP TO 10 TON ON AIR

OVER 10 TON ON RUBBER SUSPENSION



> Rubber cushion in air bellow



> INDUSTRIAL TYRES

- > High allowable wheel loads
- > Max. single tire load shown, Front axle x2, Rear axle x4
- > Longer lifetime

> MICHELIN



> XZM

> 9.00 R20

4500kG @ 25km/h
5850kG @ 10km/h

> 11.00 R20

5800kG @ 25km/h
7540kG @ 10km/h

> 10.00 R20

5300kG @ 25km/h
6890kG @ 10km/h

> 12.00 R20

7100kG @ 25km/h
9230kG @ 10km/h

> XTT

> 280/75 R22,5

6300kG @ 25km/h
7280kG @ 10km/h

> 310/80 R22,5

7762kG @ 25km/h
8970kG @ 10km/h



- > Tubeless Bead Seal mounting

> CONTINENTAL



> Terminal transport

> 300/80 R22,5

7100kG @ 25km/h
8100kG @ 10km/h

> Tractor master

> 310/80 R22,5

7760kG @ 25km/h
8970kG @ 10km/h



➤ **MUDGUARDS**

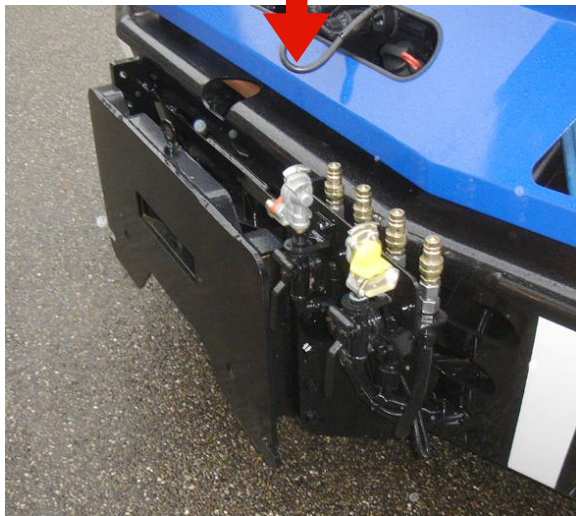
- Bolted construction
- Afterwards adjustable over 3 positions for changed tyre sizes
- Easy replaceable



Plastic part
moves with
axle body



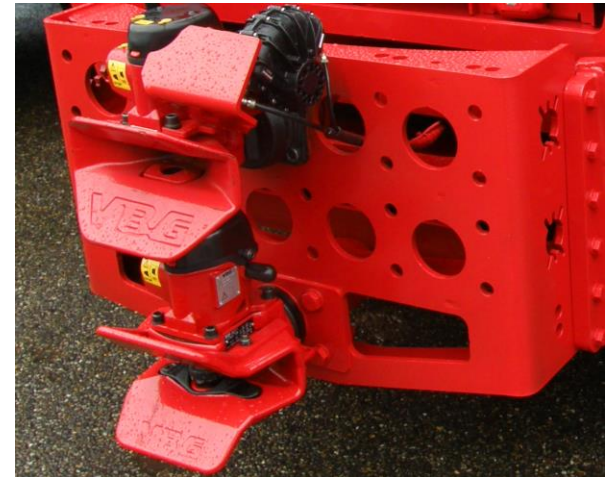
> FRONT



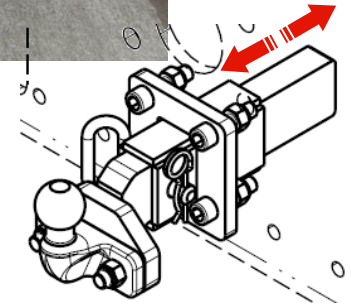
> Mounting plate

> Drawbar coupling

> Register coupling



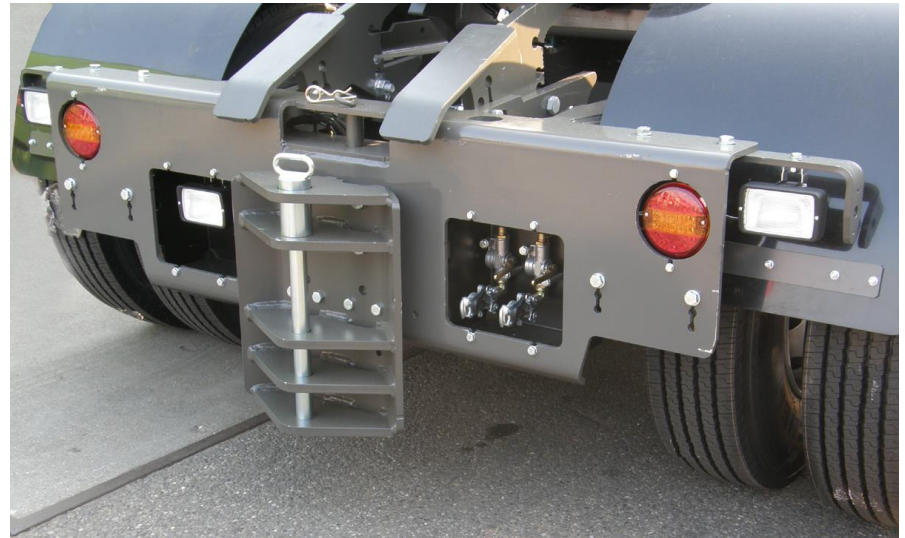
➤ REAR



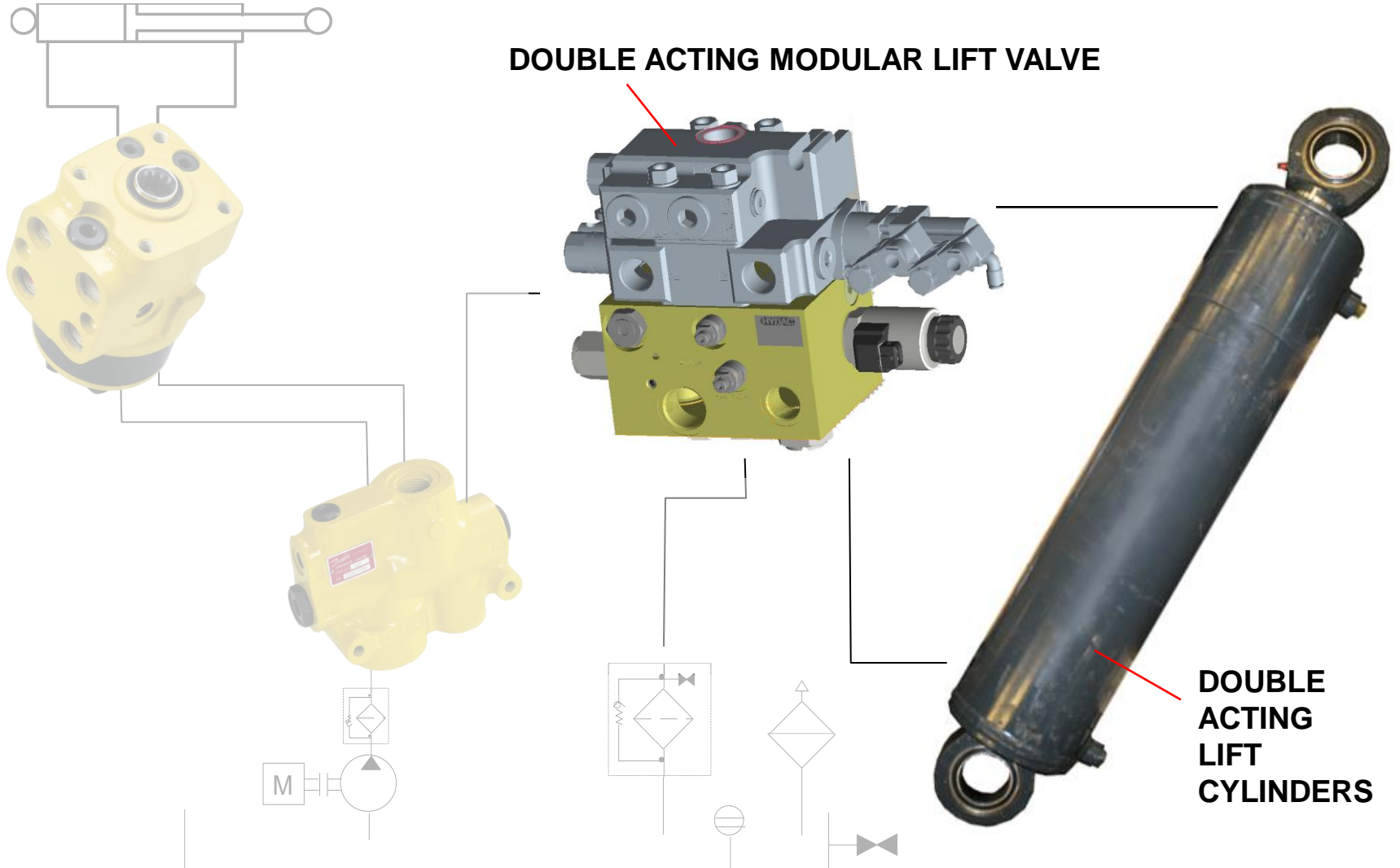
➤ Caravan coupling

➤ Drawbar coupling

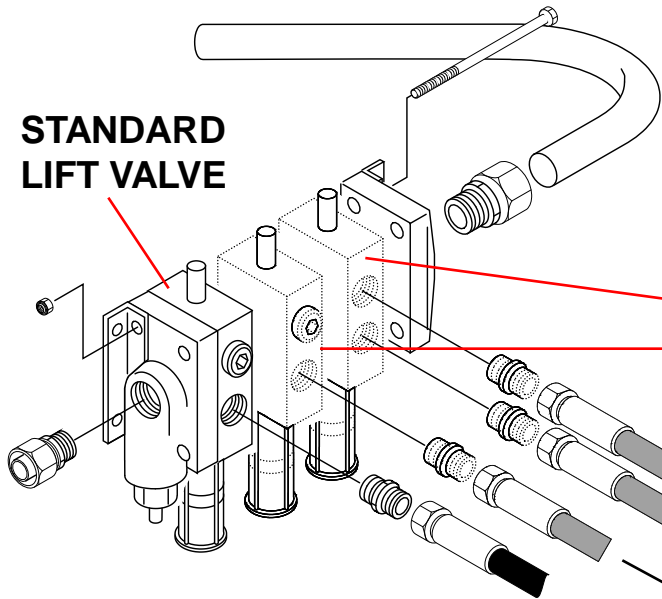
➤ Register coupling



> OPTIONAL DOUBLE ACTING LIFT CYLINDERS

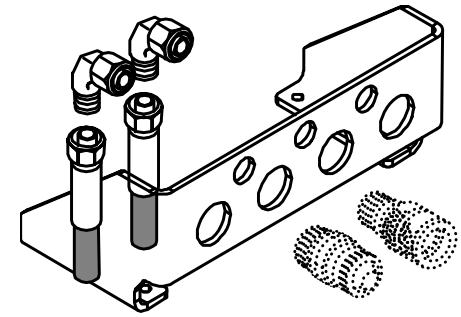


> MODULAR HYDRAULIC SYSTEM



OPTIONAL EXTRA HYDRAULIC SECTIONS

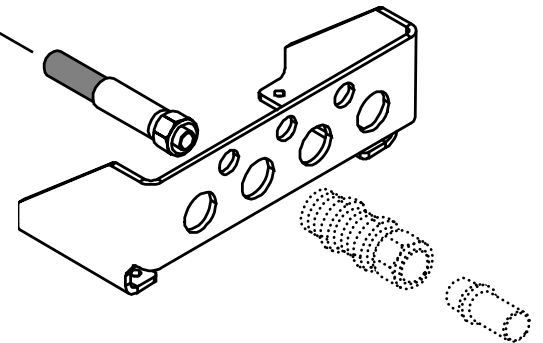
Double acting
Single acting



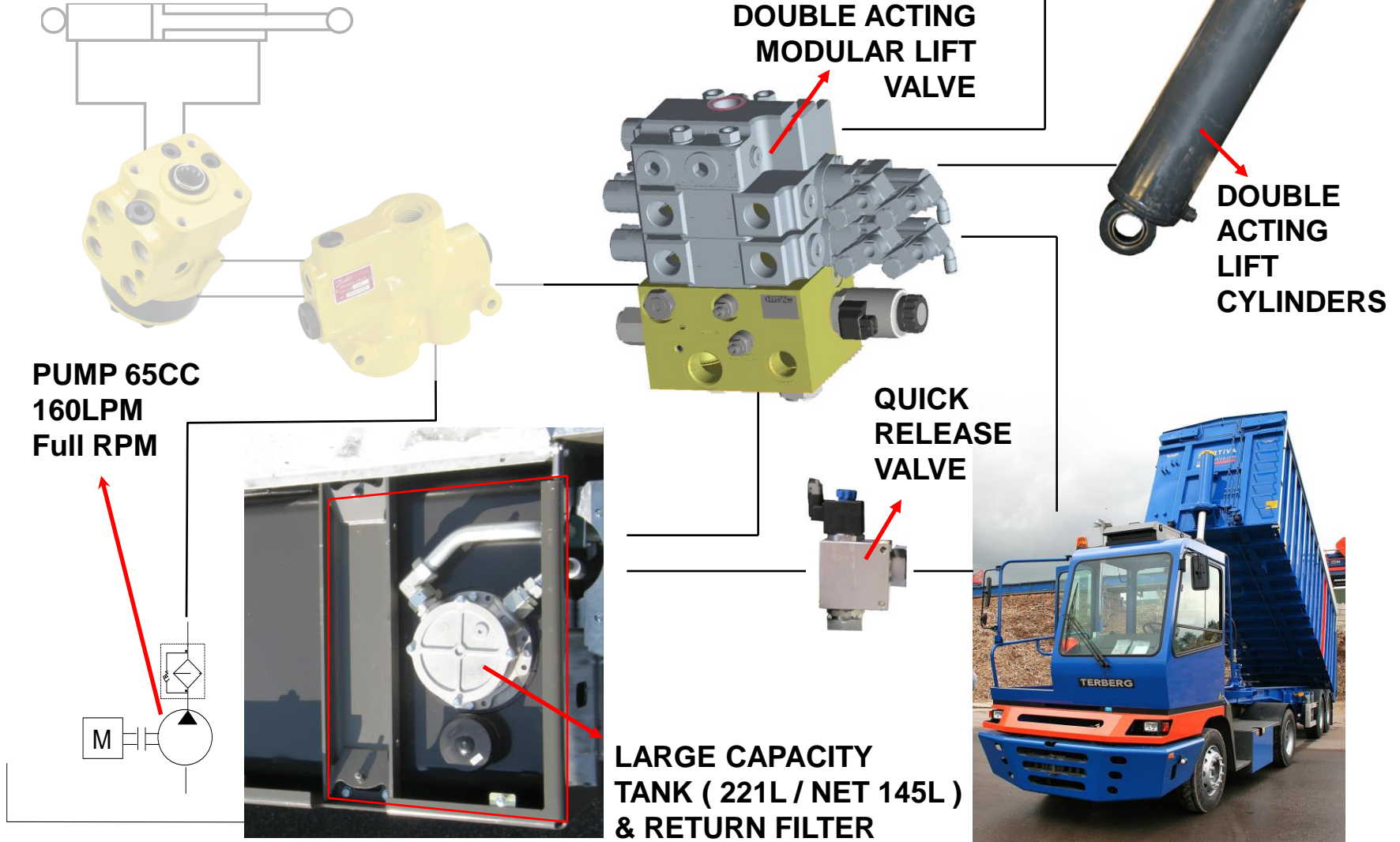
Trailer connectors
on customer request



OPERATION OF
EXTRA HYDRAULICS



> OPTIONAL TIPPER TRAILER HYDRAULICS

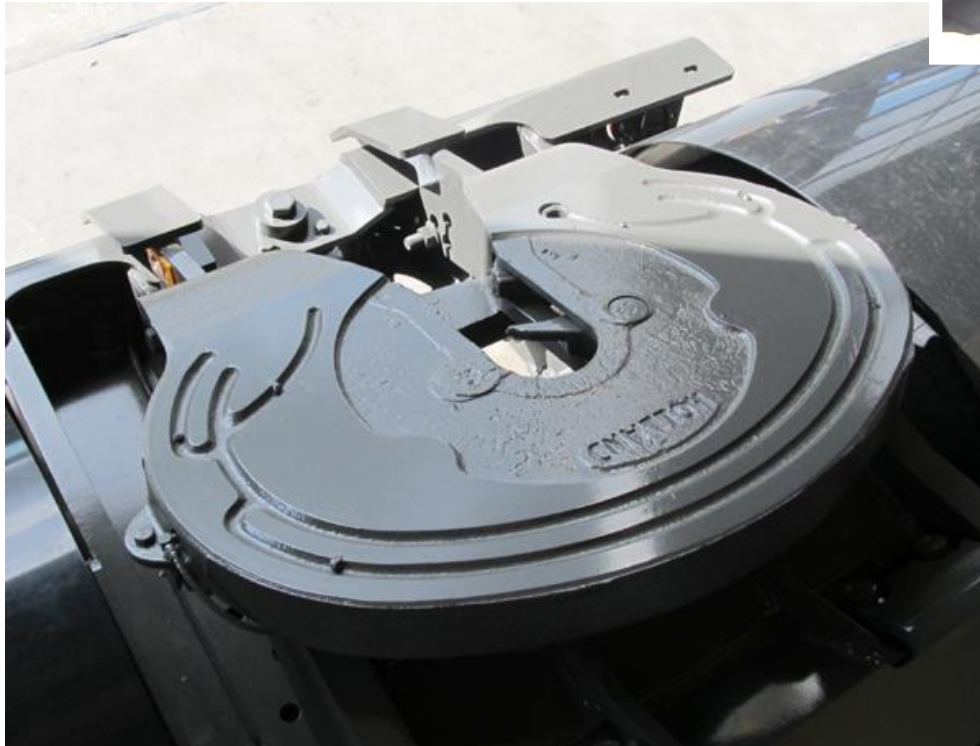
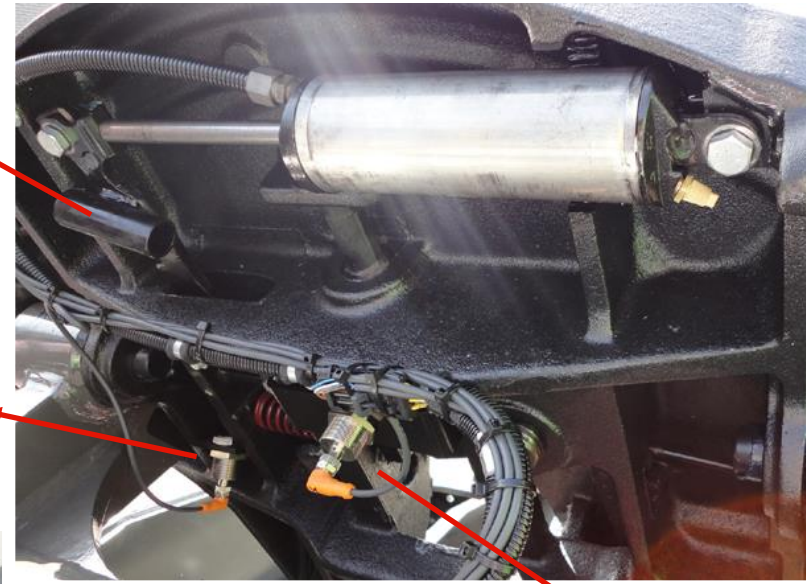


> **HEAVY DUTY 2" – 3.5"
FIFTH WHEEL**

> **Single jaw locking mechanism**

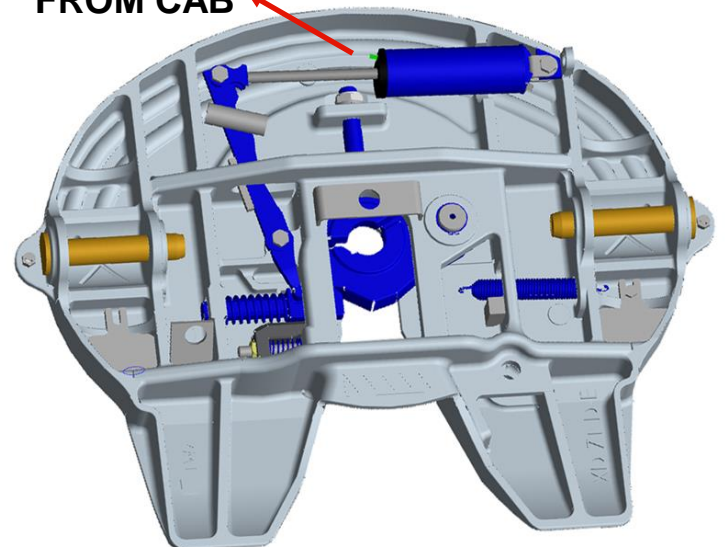
**EMERGENCY
MANUAL
RELEASE**

**LOCK
SENSOR**



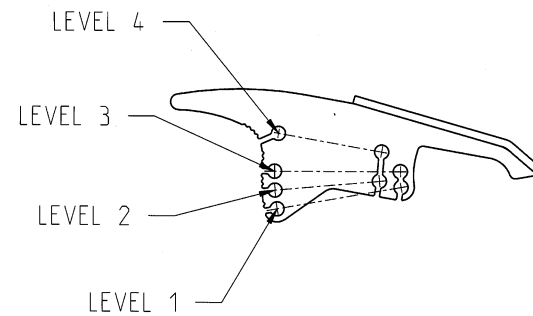
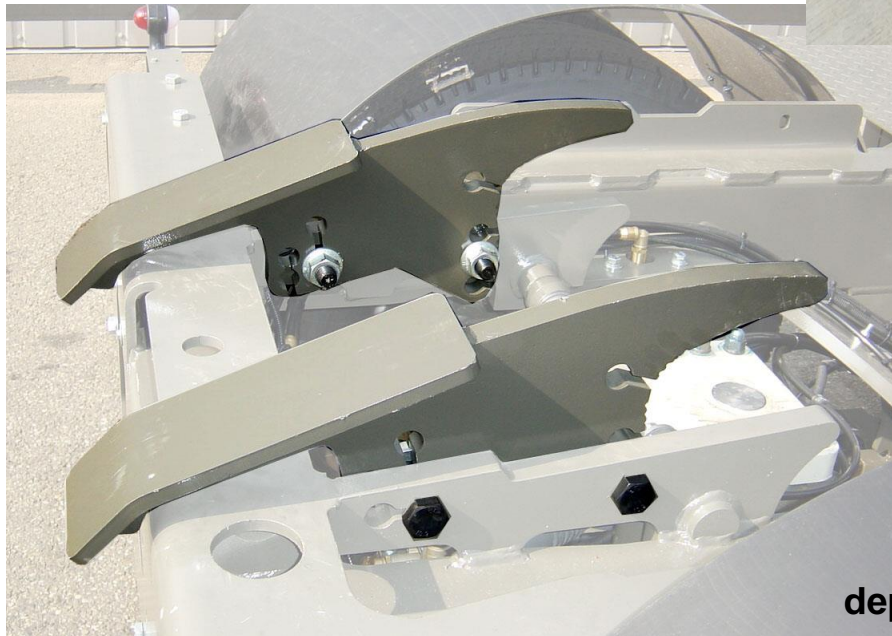
**AIR RELEASE
OPERATED
FROM CAB**

**KING PIN
SENSOR**



> GREASE COVER PLATE

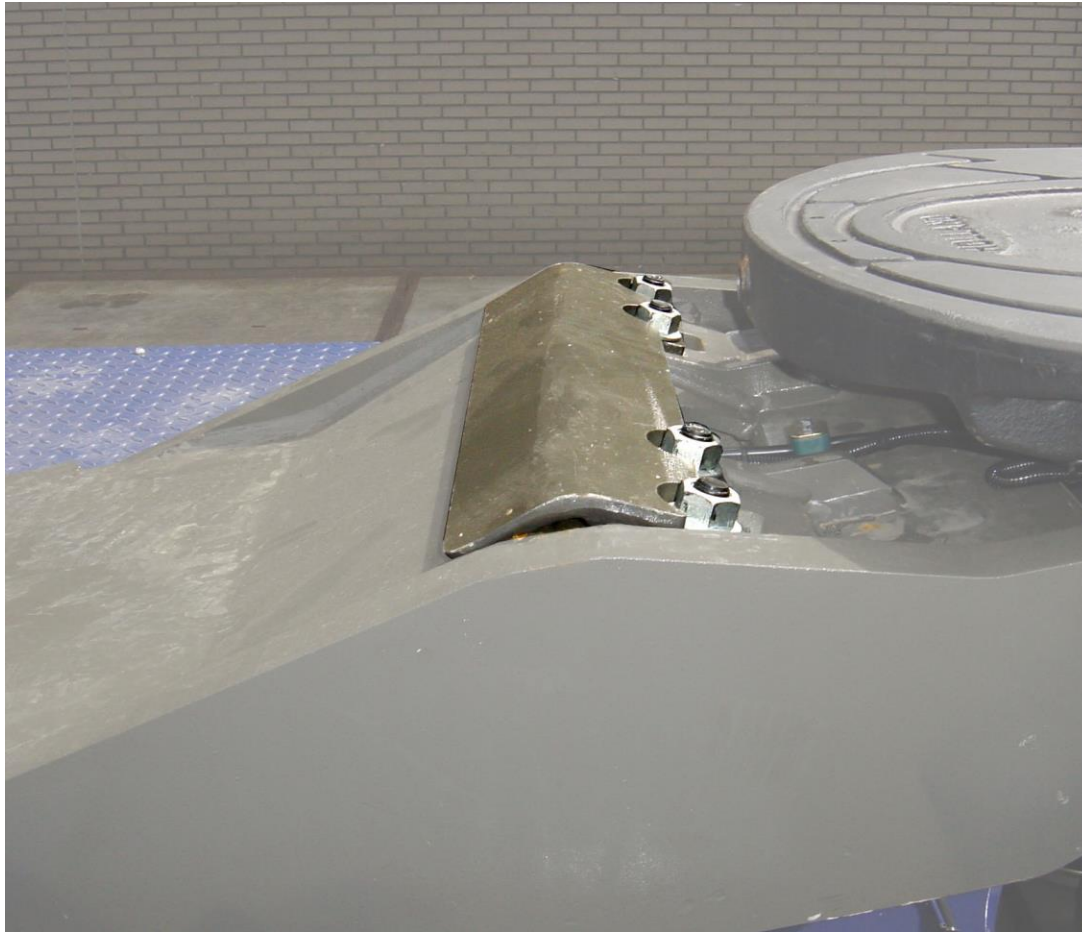
Protects Air valves and rear axle
from grease coming from the fifth wheel



> LEAD UP RAMPS

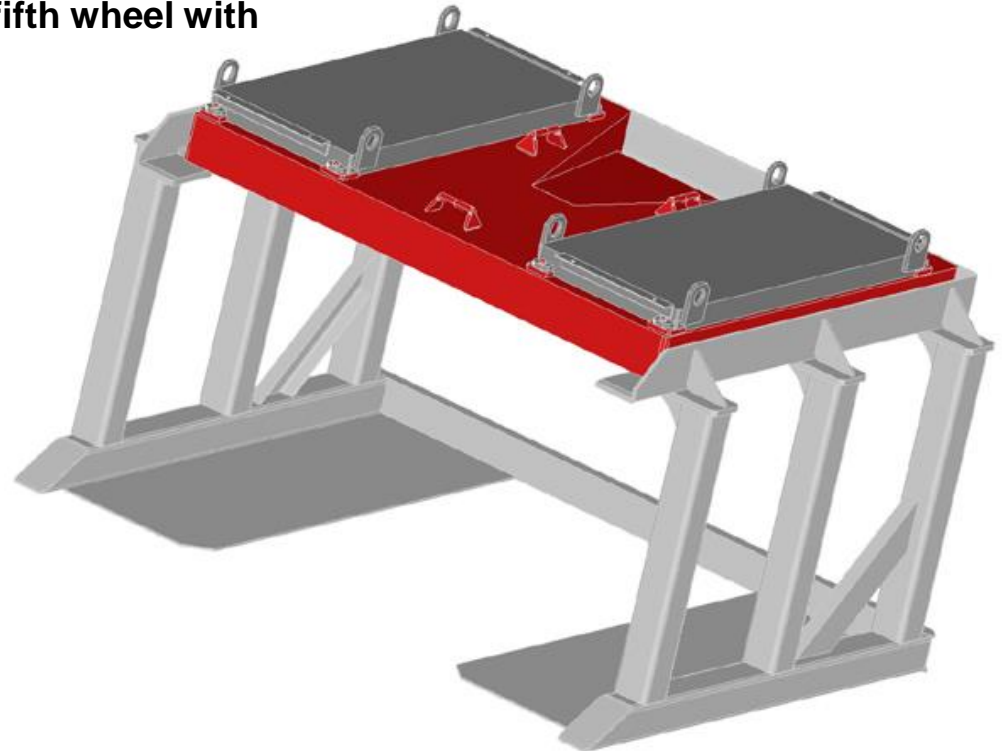
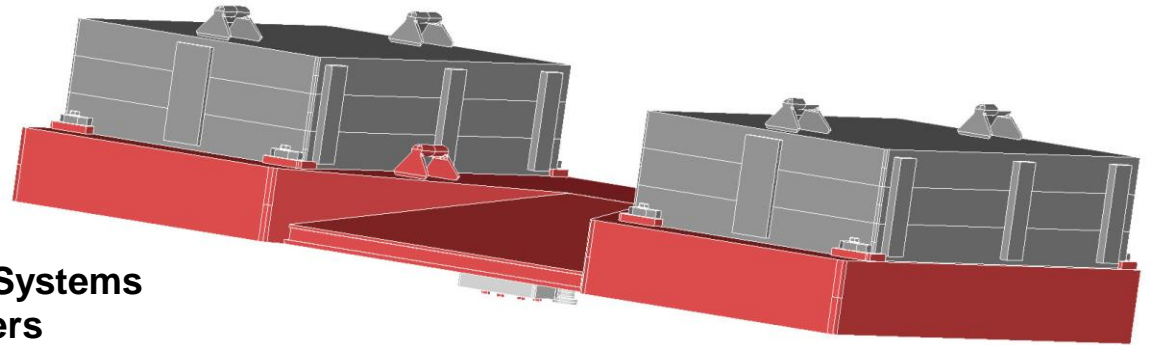
In 4 positions adjustable,
depending on tyre size and mudguard type

**> GOOSE NECK SUPPORT
(RIGID)**



> **BALLAST**

- > For operating Multiple Trailer Systems or pulling heavy drawbar trailers
- > Modular: Base plate 6,6Ton
Can be increased with loose plates to 8,5 or 12,2 Ton
- > Ballast is connected to the tractor fifth wheel with a king pin (2" or 3,5") + wedge. To mounting locations available
- > Parking stand available:
enables the tractor to (dis) attach the ballast without the help of crane / fork lift.





4 x 2



Airport Tow tractor



6 x 4

6 x 2 / 4



8 x 4

