



LGMG Corporate Profile and Off-road Truck

| Contents

- **Corporate profile**

- **Off-road trucks and their features**

LGMG and SDLG



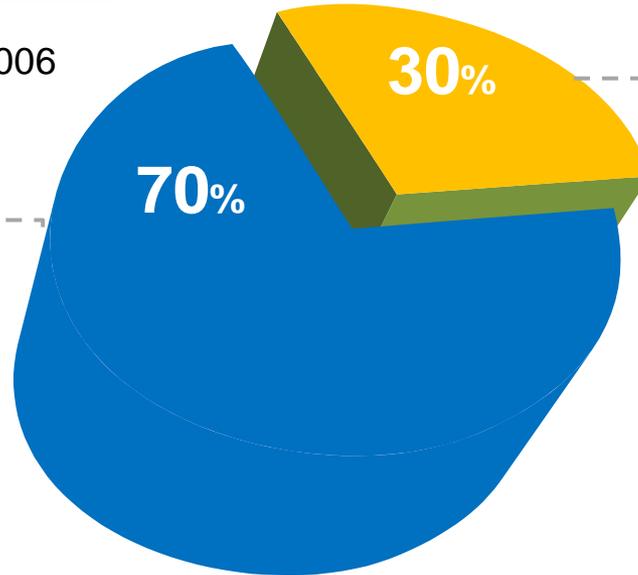
Signing Ceremony in Oct. 2006



- Among world's 50 largest construction equipment producer;
- World's largest loader manufacturer;



Volvo CE



Corporate overview

- Lingong Machinery Group was founded in 1972 and is one of China's leading manufacturers of construction equipment. It is particularly well known for its construction machinery, for which it is one of the world's leading suppliers. The company uses its own world-class manufacturing program, the Lingong Production System, to ensure the quality, efficiency and reliability of its range of construction machinery products.
- Its headquarters are based in Linyi, Shandong Province, China.
- Registered capital: RMB1.54 billion



Awards and honors

- World's Top 50 Construction Machinery Enterprises
- Top 500 Asia Brand
- China's 500 most Valuable Brand
- Top 100 Chinese Machinery Enterprises
- National Class Technical Center Award



Product range



Under LGMG brand name

Off-road Truck



- Payload range 40T-80T

➤2014 sales volume rank 1st, market share 18.9%



Under LEADWAY brand name

Tire



- Off-the-road Tires
- Truck and Bus Tire



Under LGMG& SDLG brand name

Wheel Loader



- Operating weight range 1 - 12t
- 30 models in total

➤2014 sales volume 26,000 units. Largest loader manufacturer in the world.

Excavator



- Operating weight range 6 - 46t
- Cutting-edge technology

➤Lowest quality feedback among Chinese brand.

Road Machinery

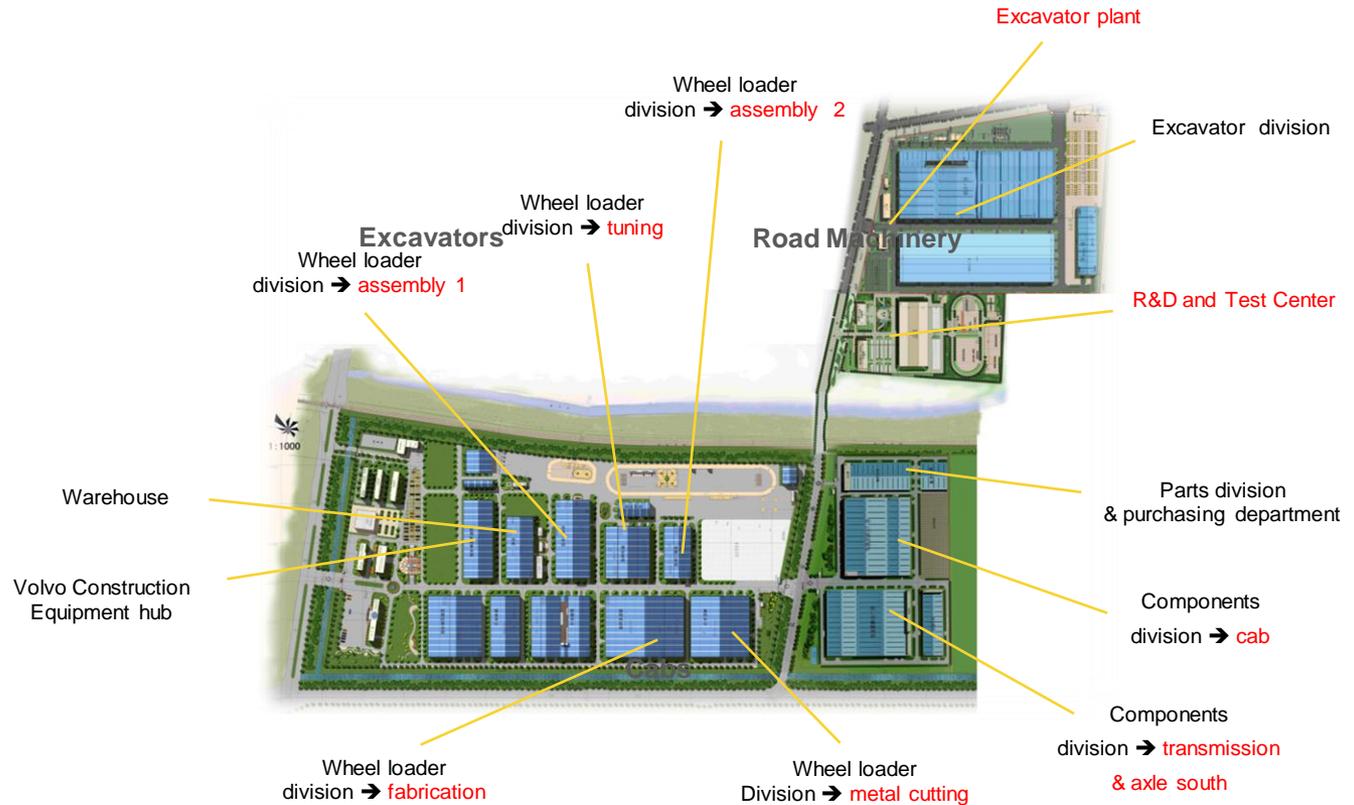


- 14 - 22t single-drum road roller
- 12t double-drum hydraulic road roller
- 18 - 21t three-drum static road roller
- 8t backhoe loader
- 180-200hp series motor grader



Construction machinery manufacturing facility – Linyi.

The world-class manufacturing facility covers a total area of 1,127,000 m².



Off-road truck manufacturing facility – Jinan



The largest manufacturing facility covers a total area of 200,000 m².



| Tire manufacturing facility

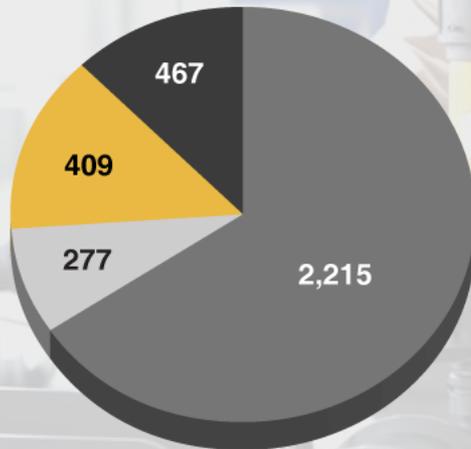
- **5.8 million truck tire and 150,000 OTR tire per year**
- **Technical cooperate with Japan famous tire producer**
- **Ultra large radial OTR tires up to 57 inch**
- **One of Top 10 tire manufacturers in China**



Employees – 2014

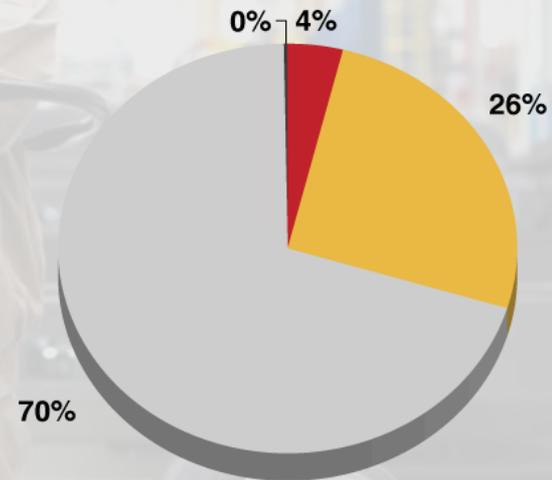
Total employees

3,368



- Engineers and others
- Production / manufacturing
- Administrative / back office
- Sales

Percentage of education levels



- PhD 1
- Master 132
- Bachelor 877
- Others 2358

| Contents

- Corporate profile

- Off-road trucks and their features

1,Off-road Truck and Their Features

Choices of Traditional Transport Solutions in Mining

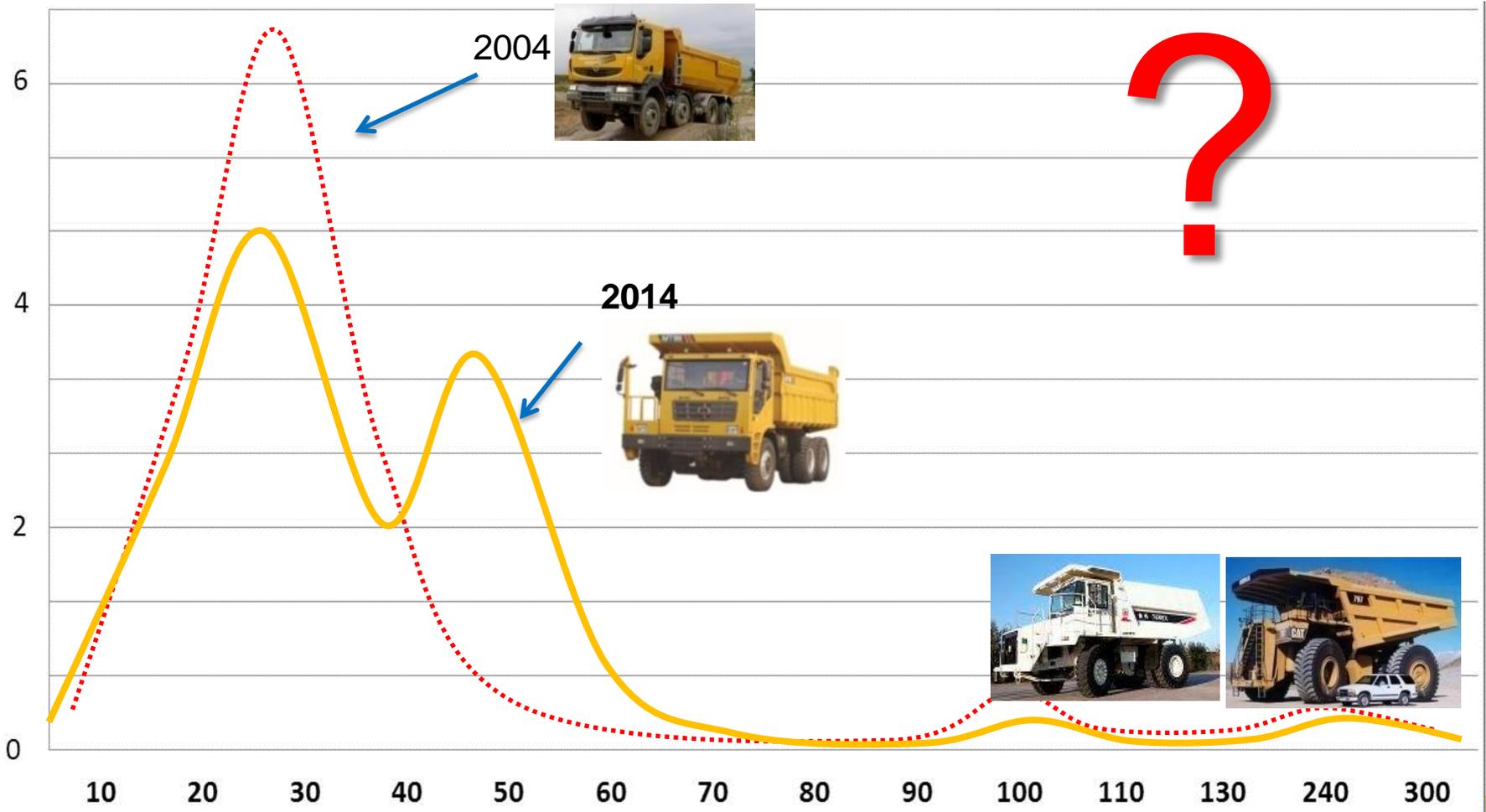


New Choice-----China's Off-road Truck



China's off-Highway truck market

Market Share of the Three Categories in China's Market



Classification of products and their features

On-highway dump truck

Light, Mid & Heavy: **payload** range 2T-20T.



Strengths: Low cost in purchasing, repair and maintenance

Weaknesses: Small payload and poor safety.

Classical Dump Truck

Rigid Dump Truck(Payload 25T to 100T);

Electric Wheel (Payload 120T to 360T);

ADT (Payload 23T to 42T).



Strengths: Large payload, good safety;

Weaknesses: Expensive in purchasing, repair and maintenance

Off-road Truck



Feature

Convergence of the strengths of rigid dump truck and on-highway dump truck, featuring large payload, good safety, high reliability, low purchasing price, low maintenance cost.

Large Tonnage: Payload ≥ 50 Metric Ton

Small & Medium Tonnage: Payload 30—50 Metric Ton;

Some Indicators on the function and economy of the three categories

		CAT		Terex		On-highway Truck	Off-road truck
		770	772	TR50	TR100		
Indicators on function	Engine power/Payload (Kw/t)	8.5	8.5	8.5	8.5	8.2	5.6
	Engine Torque Output/Payload (Nm/t)	50	50	50	50	45	32
	Payload/Curb weight (t/G)	1.2	1.2	1.3	1.3	1.8	1.9
Indicators on Economy	Price/Curb Weight (USD1,000/t)	12	12	11.6	11.6	4	4
	Price/Payload (USD1,000/t)	9.5	9.5	9.5	9.5	1.5	2
	Service Life	8-10				2	4—5

	Classical Truck	Off-road Truck	On-highway Truck
Payload	30T—360T	30T—70T	10T—30T
Service Life	8-10 Years	5 Years	2—3Years
Security	+++	++	+
Price	+	++ (1/4 of Classical Trucks)	+++
Repair & Maintenance Cost	+	++ (1/4-1/5 of Classical Trucks)	+++
Wage	+	+++	+++
Fuel Consumption	+	++ (1/2 of of Classical Trucks)	+++

2, Products Range and the General Specification

2.1 Product Range

Off-road Truck



MT48 Payload 30T



MT60 Payload 40T



MT76 Payload 50T



MT80/MT80C
Payload 55T



MT83 Payload 55T



MT86/MT86C
Payload 60T



MT90 Payload 65T

Rigid Dump Truck



MT100 Payload 80T

2, General Specification

2.1, Techniques

Combination of off-road truck and construction techniques in the following aspects:

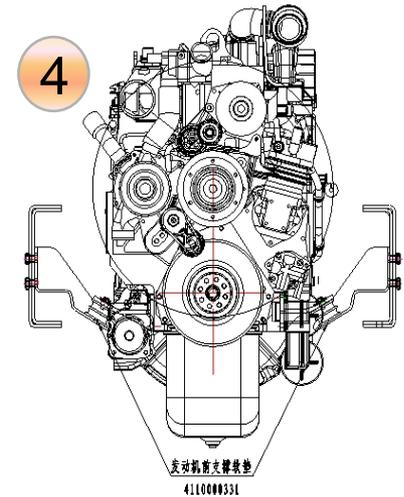
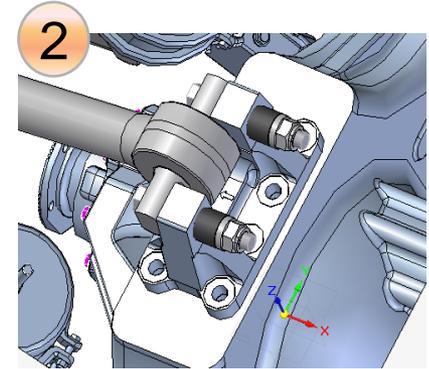
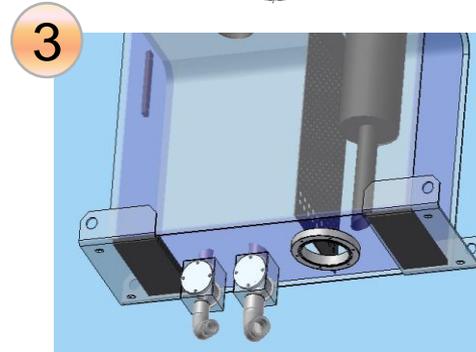
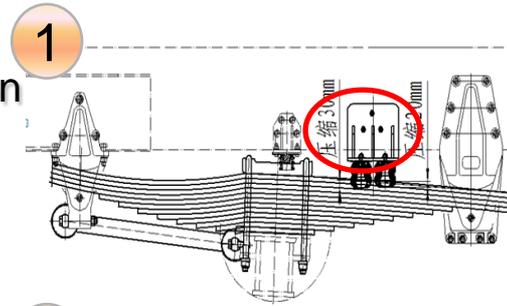
1. Damping

2. Tightening

3. Converging of Hydraulic Flow

4. Heat Radiation

5. Driver's Cab



2.2, Feature of Lingong Off-road Trucks

1, Combination of off-road truck and construction machinery techniques

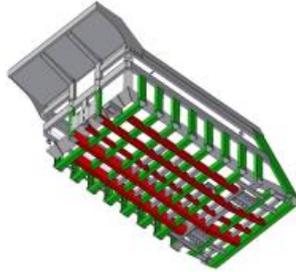
2, Redesigns over main parts or assemblies to meet the requirements of harsh working condition.

High Reliability

Large Payload

All Working

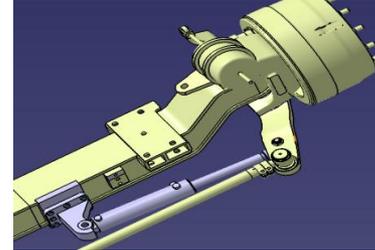
Conditions



Framed Body



Joint bearing
type push rod

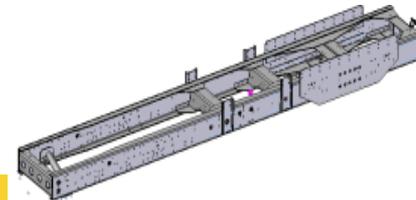


Fixation of steering
cylinder



Four-point
Support

3, Upgrading in product configurations.



2.3, Parameters and Specifications

MT86



Parameters

Gross Weight : ----- **88000kg**

Curb Weight : ----- **28000kg**

Payload-----60000kg

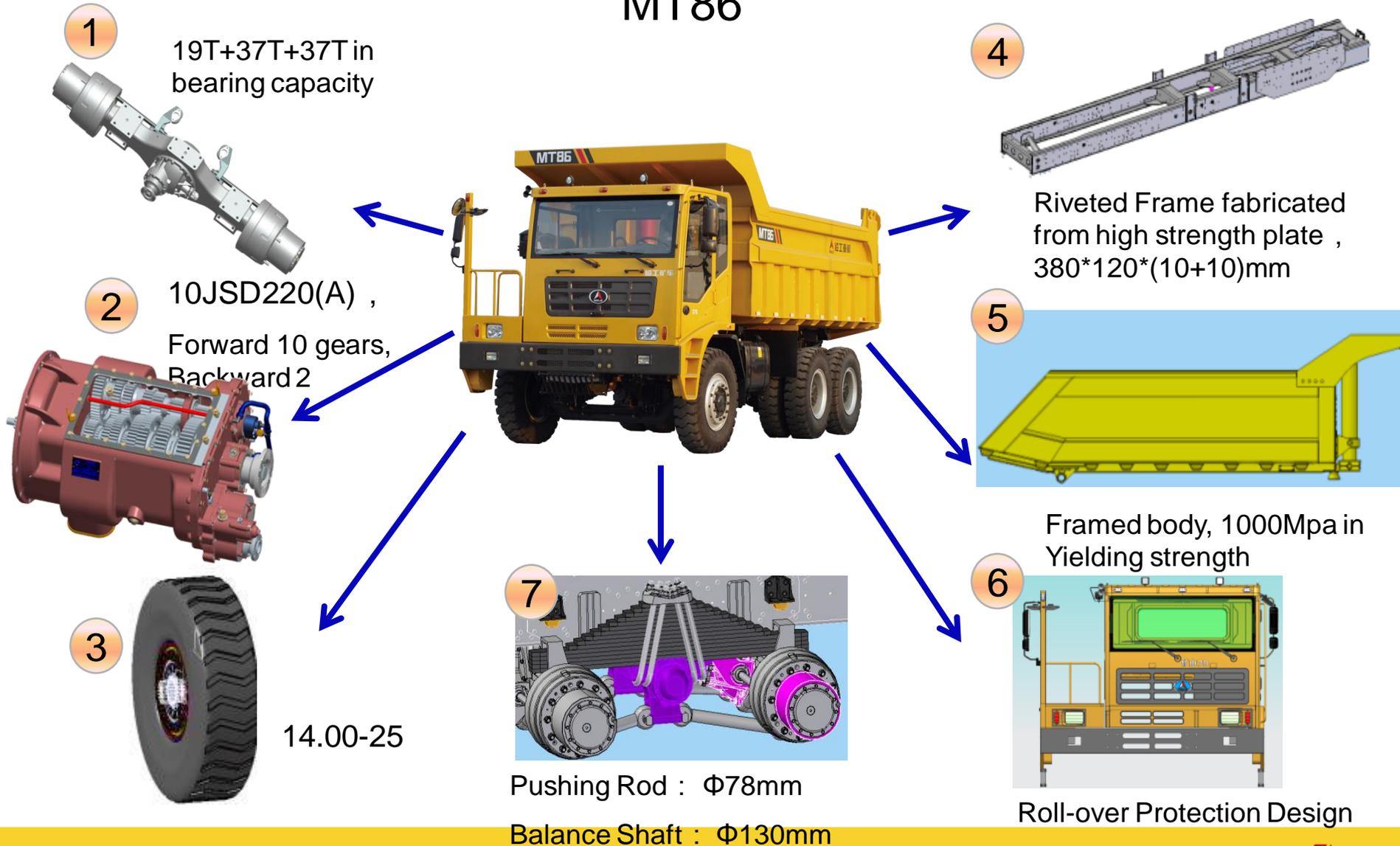
Engine Power-----420ps

Max. Gradeability-----36%

Highest Speed : ----- 57km/h

Body Volume(Tail-Warped) ----- 34m³

MT86



MT76



Parameters

Gross Weight ----- **76000kg**

Curb Weight ----- **26000kg**

Payload-----50000kg

Engine Power-----375PS

Max. Gradeability-----36%

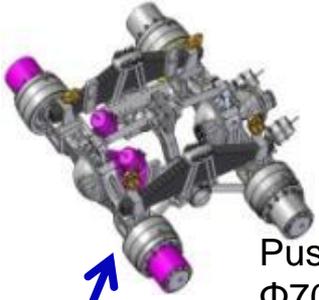
Highest Speed : ----- 55km/h

Body Volume(Tail-Warped) --- 32m³

1 16T+35T+35T in bearing capacity



7



Pushing Rod : $\Phi 70\text{mm}$, in V-shape layout

6



Roll-over Protection Design

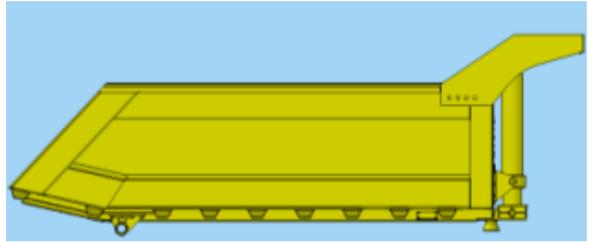
2 7DS180 , Forward 7 gears, Backward 2 gears



Balance Shaft $\Phi 130\text{mm}$



5



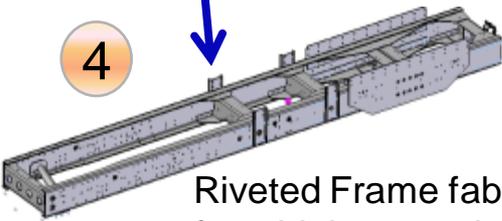
Framed body, 1000Mpa in Yielding strength

3



14.00-25

4



Riveted Frame fabricated from high strength plate , $380*120*(10+6)\text{mm}$

THANKS