

# SDLG INDIA DEALER NETWORK

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## Reliability in Action

# Wheel Loader L946



Sold and Serviced by

*Under our policy of continuous improvement, we reserve the right to change specification and design without prior notice. The illustrations do not necessarily show the standard version of the machine.*



# L946 Wheel Loader

L946 is a loader for loading and unloading loose materials, with high reliability and high cost performance and is widely used in farms, small mine plant, timber plant and towns construction and etc.



**1** New steel structure cab is adopted, which has wide vision, large operation space, fully-covered cab internal trimmings, good sealing performance, standard air conditioning and comfortable driving environment; The ROPS & FOPS cab can be installed optionally and is of good safety.

**2** SDLG 5-ton transmission case and reinforced drive axle is configured, with large bearing capacity and high reliability.

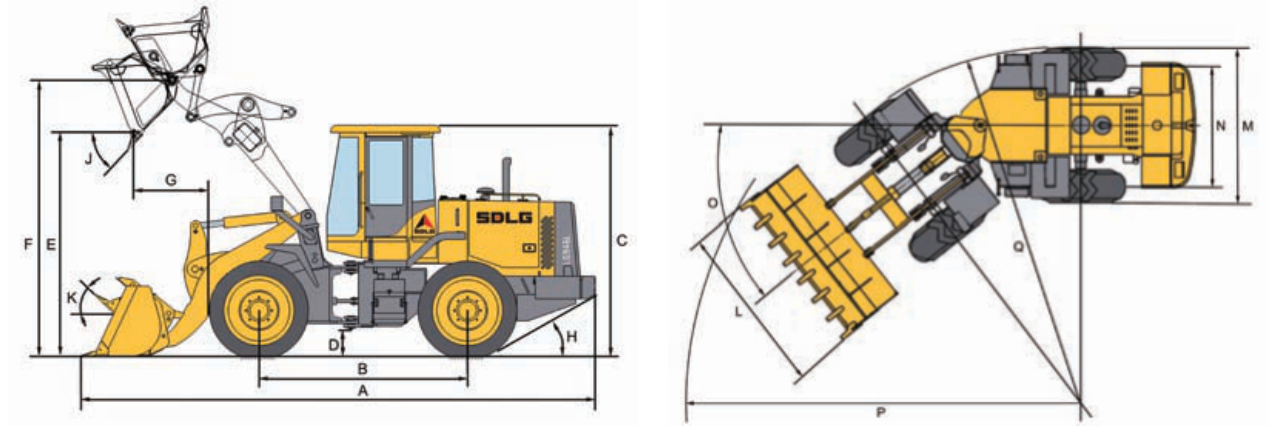
**3** Bucket is made of protruding type cutting board. The bottom anifriction plate is thickened, with little cutting resistance, high load factor and high reliability. New shift bracket of SDLG patent is provided for auxiliary appliance up to ISO international standard.

**4** Energy-saving large torque engine meeting the requirements of BS III emission standard is provided, which realizes a perfect matching with high-efficient and large-capacity torque converter and SDLG 1st generation of energy-saving technology, improves operating efficiency, reduces energy consumption and realizes a comprehensive energy saving of more than 10%

**5** It adopts front and rear reinforced frames that have passed 200,000 times of fatigue enhancement tests, with strong bearing capacity, reasonable entire-machine load distribution and good stability.

# Specifications

## Main performance and parts specifications



Model		L946		Service Fill Capacity & Service Interval		
<b>Overall dimension</b>				Capacity (l)	Interval (hrs)	
Engine Make	WP6G175E301 Weichai Deutz BSIII			30	2 000	
Type	4-stroke Cycle, 6 Cylinders, Direct Injection, Turbo Charged, Electronically controlled			18	250	
Gross Power	KW@ 2000 rpm	129		44	1 000 (first 50)	
Maximum Torque	Nm@ 1600rpm	680Nm		26 x 2	1 000 (first 50)	
Fuel tank capacity	L	200		141	2 000	
<b>Loader Equipment</b>				<b>Brake System</b>		
Hydraulic Cycle time	Sec	≤10.2		Service Brake	Air over Hydraulic Disc Brake	
System Working Pressure	Mpa	16		Parking Brake	Electric air control internal expansion brake	
Lifting Capacity	Kg	4000		<b>Tyre size</b>		
Breakout Force	kN	>125		20.5 - 25		
Static Tipping Load Full Turn	kN	>80		<b>Dimensions</b>		
Max. Tractive Force	kN	120		LxWxH(AxLxC)	mm 7295x2766x3240	
Operating Weight	Kg	12700 ~ 13000		B. Wheel base	mm 2880	
Transmission	SDLG 5 Ton Power shift transmission			D. Min.ground clearance	mm 440	
Torque Converter	Single Phase, 4 Elements			E. Max.dumping height	mm 2950 ~ 3235	
Transmission	Twin - Turbine Hydraulic Torque Converter Planetary power shift			F. Lifting height	mm 3838	
<b>Travel Speed</b>				G. Dumping distance	mm 1055 ~ 1065	
Gear Shift		Km/hr	Forward	Reverse	J. Dumping angle	42°
			I	0~13	0~17	N. Wheel tread
II		Km/hr	0~38		O. Steering angle	38°
<b>Steering System</b>				P. Horizontal crossing radius	mm 6117	
Type	Articulated load-sensing hydraulic steering system			Q. Min.turning radius	mm 5365	
Steering Angle	38° each side			<b>Overall parameter</b>		
Min. Turning Radius	mm	(Outside of bucket): 6115		Bucket capacity	2~3.5	
	mm	(Outside of the rear tyre): 5275		Rated load	4000kg	
				Operating weight	12700~13000kg	
				Max.tractive force	≥120 kN	
				Max.breakout force	≥125 kN	
				Tipping load	≥80 kN	