BUREAU OF INDIAN STANDARDS

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Draft Indian Standard

DATA SHEET FOR INDUSTRIAL TOWING TRUCKS: PART 1 — I.C. ENGINE POWERED (Second Revision)

(ICS 53.060)

Transport Tractors, Trailers and Industrial Trucks
Section Committee, TED 22

Last Date for Comments: XX.XXXXXX

Transport Tractors, Trailers and Industrial Trucks Sectional Committee, TED 22

FOREWORD (Formal clause to be added later on)

This standard was first revised in 1987. First revision included some additional information which may be used by the manufacturer and purchaser alike for giving details of the equipment to be manufactured by the manufacturer or required by the purchaser.

This revision has been taken to incorporate the latest development in the field.

Draft Indian Standard

DATA SHEET FOR INDUSTRIAL TOWING TRUCKS: PART 1 — I.C. ENGINE POWERED

(Second Revision)

1 SCOPE

This standard lays down the data required for the selection of I.C. engine powered industrial towing trucks.

2 REFERENCE

This standard does not contain any cross reference.

3 TERMINOLOGY

For the purpose of this standard, the following definitions shall apply.

- **3.1 Industrial Towing Trucks** A self-propelled industrial truck with solid or pneumatic tyres, with three or more wheels, with front or rear drive wheels, intended for towing or shunting one or several non-powered trucks or trailers inside or outside buildings and occasionally on public roads.
- **3.2 Drawbar Pull** The drawbar pull measured on a smooth, dry and horizontal concrete surface, with a horizontal towbar in the longitudinal axis of the vehicle, after progressive acceleration, and with a driver weighing 70 kg in the case of sit-on or stand-on tractor.
- **3.2.1** The drawbar pull shall be given for a tractor equipped with solid tyres or with pneumatic tyres inflated to the pressure specified by the tractor manufacturer.

4 DATA SHEET

4.1 Application and Site Data —	(10 be furnished by the users)	

a)	Hours per shift	l	1
b)	Shifts per day		
c)	Days per week		
d)	Temperature : Max	°C; Min°C	
e)	Altitude	m, above mean sea level	
f)	Relative humidity, Max at	°C%	

4.2 Engine

a)	Make, model	
b)	Type	
	Cooling system	
d)	Gross power kW	at rpm
e)	Fly wheel power kW	at rpm
f)	Maximum torque Nm	at rpm
g)	No. of cylinders	-
	Bore	
j)	Displacement	

m) Type of fuel pump	
.3 Transmission	
a) Model	
b) Type	
c) Converter/clutch	
d) Speed in kmph (Unladen)	
1) Forward speed	
2) Reverse speed	
e) Neutral start provision	Yes/No
	Single/Multi-lever
,	S
4.4 Maximum Drawbar Pull	N
4.4.1 Sustained drawbar pull	N
4.4.2 Height of coupling	mm
4.5 Braking	
	aulic)
	echanical)
,	ed/foot operated)
-	
a) 1101 0110 peans	
4.6 Steering	
3	ed)
, , ,	
, 1	
c) Netuator detaris	
4.7 Electrical System	
	Voltage V
	Capacity Ah c)
6 6	mo)
, 2 2 11 (•
4 9 Tyma	
4.8 Tyre	

NUMBER/SIZE Solid Rubber Pneumatic Pneumatic Type a) No. of wheels (driving) b) No. of wheels (steering) c) Tyre size d) Rim size

4.9 Oil

	Oil Capacity	Type of Oil
a) Fuel tank		
b) Engine crank case		
c) Final drive		
d) Torque converter		
e) Transmission		
f) Steering		
g) Differential		

4.10	
a) Overall length	mm
b) Overall width	mm
c) Height	mm
d) Minimum ground clearance	mm
e) Wheel base ,	
f) Wheel track	
1) Front	
2) Rear	
g) Turning radius	
h) Angle of approach and departure	
4.11 Mass of Base Machine (Without any Attachment) kgs	
4.12 Standard equipment	
4.13 Optional Attachments	
4.14 Other Attachments	
4.15 Gauges and Indicators	
4.16 Truck Provided with Overhead Canopy Ye	es/No