

# ANTAM TEST REPORT

**ANTAM Logo**

**Approval Number:**

**Date of Approval:**

**Report on test in accordance with ANTAM Test Code (Please insert number of the Code)**

PHOTO of power tiller

Make /model of power tiller

**Testing station report number**

**The date reported on completion of the test**

**Testing station**

- Name
- Address
- Contact

## ANTAM TEST REPORT

### Remarks

- This test report provides the results of the tests conducted in accordance with the ANTAM Test Codes as per version provided in cover page.
- This report is invalid without the official stamp of ANTAM.
- Any amendment to this document is not allowed.
- The data given in this report pertain to the particular machine submitted by the applicant for test.

## ANTAM TEST REPORT

Product	Model	
	Trade Mark	
ANTAM Test Code		
Type of Test	(Commercial/confidential)	
Authorized test center	Address	
	Contact Details	
Manufacturer	Address	
	Contact Details	
Test Location		
Period of Test		
Month/ Year		
Number of samples		Date of Manufacture
Serial numbers of machines (highlight the SN of the machine corresponding to the test results)	1.	
	2.	
	3.	
Date of Reception		
Submitted by	Name	Contact No.
Received by	Name	Contact No.

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## SELECTED CONVERSIONS

<b>S. No</b>	<b>Units</b>	<b>Conversion Factor</b>
<b>1</b>	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
<b>2</b>	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
<b>3</b>	<b>Pressure</b>	
	1 psi	6.895 kPa
	1 kgf/cm <sup>2</sup>	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm <sup>2</sup>
	1 mm of Hg	1.3332 m-bar

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## 1 SPECIFICATIONS

### 1.1 Power Tiller

Type :

Make :

Model :

Serial number :

Year of manufacture :

### 1.2 Engine

Type :

Make :

Model :

Serial number :

Engine rated speed (recommended by manufacturer), rpm :

Power at rated speed, kW :

Country of origin :

### 1.3 Cylinder and Cylinder Head

Configuration (vertical/horizontal)	Bore/stroke, (mm)	Capacity (cc)	Compression ratio	Type of combustion chamber

### 1.4 Fuel System

Capacity of fuel tank, (l)	Type of fuel filter	Injector		
		Type	Manufacturer's recommended pressure (kPa)	Injection timing (Degree before TDC)

### 1.5 Governor

Type	Governed range of engine speed, rpm	Rated engine speed, rpm

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## 1.6 Air Cleaner

Type	Location of air intake (in case of no pre-cleaner)	Oil sump capacity, l

## 1.7 Exhaust

Type of silencer:

Location:

## 1.8 Lubrication

Type :

Oil sump capacity, l :

## 1.9 Cooling System

Type	Details of pump and fan, if available	Coolant capacity, l

## 1.10 Electrical System

Voltage, V	Generator (make, type)	Output power of generator, W	Details of headlights (number, Watt)

## 1.11 Power Transmission System

Type of gearbox	Grade of Oil	Oil capacity, l	Type of main clutch	Type of steering clutch

	Gear Number	Nominal travel speed at rated engine.....rpm, km/h
Forward	L1	
	L2	
	L3	
	H1	
	H2	
	H3	
Reverse	L	
	H	



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## 1.12 Rotary Shaft

Location	Number of splines	Diameter of shaft, mm	Height above ground, mm
Direction of rotation (viewed from driving end)	Rotary shaft speed at rated engine speed, rpm	Type of Power transmission system	Number/type/Arrangement for fitting of tines on the shaft
		<i>(gear/chain)</i>	

## 1.13 Main Pulley

Type and number of belts	Diameter of pulley, mm	Location	Reduction ratio (from engine to clutch)	Rotational speed at rated engine speed, rpm
		<i>(left/right)</i>		

## 1.14 Hitch

Type	Location	Height above ground level, mm	
		Minimum	Maximum

## 1.15 Parking Brake

Type:

Method of operation:

## 1.16 Wheels

Pneumatic

Make	Number	Size/ Ply rating	Recommended inflation pressure, kPa		Track width, mm: Method of changing track width
			fieldwork	transport	

Steel/cage wheel:

Size		Mass (kg)	Track width (mm)
Diameter (mm)	Width (mm)		

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## 1.17 Operator Seat

Type:

Type of suspension:

Range of adjustment (if any), mm:

## 1.18 Ballast Mass

Optional ballast	Water (Kg)	Cast Iron Weight on Wheel (Kg)

## 1.19 Mass of Power Tiller (without driver but with all lubricants, fuel and coolant full)

Total	Ballast	Unballast

## 1.20 Overall Dimensions

Length* (mm)	Width* (mm)	Height* (mm)	Ground Clearance** (mm)

*Measure:*

*\* the outermost points*

*\*\* at portal housing drain plug*

## 1.21 Fuel and Lubricants used for test

<b>Fuel</b>	Type		Density at 15°C	
<b>Lubricants</b>	Engine		Transmission	
	Type	Grade	Type	Grade









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### *At Operator Ear Level*

Background Noise Level, dB (A):

Atmospheric Conditions:

Temperature, °C:	Relative humidity, %:	Pressure, kPa:

Gear Number	Travel Speed (km/h)	Engine Speed (rpm)	Slip (%)	Drawbar Pull (kN)	Sound Level* dB (A)

\* Maximum value

### 9 WATERPROOF TEST

Sr No.	Components	Ingress of Mud/Water
1	Axle	Yes/No
2	Clutch housing	Yes/No
3	Brake assembly	Yes/No

### 10 SAFETY CHECK

#### **Guards**

Sr No.	Moving Parts	Guarded or Safely Located
1	Main shaft of power tiller	Yes/No
2	Main pulleys	Yes/No
3	Flywheel	Yes/No
4	Rotary chains	Yes/No
5	Belts	Yes/No
6	Rotary tiller	Yes/No

Sr No.	Hot Parts	Guarded or Safely Located
1	Exhaust silencer	Yes/No
2	Exhaust manifold	Yes/No
3	Any others	Yes/No

#### **Controls**

Sr No.	Controls	Identifiable or Displayed
1	Clutch lever	Yes/No
2	Brake lever	Yes/No
3	Throttle	Yes/No
4	Lever to stop engine immediately	Yes/No
5	Main gear shifting lever	Yes/No
6	High/low gear shifting lever	Yes/No
7	Rotary engaging lever	Yes/No
8	Steering handle with side clutch lever	Yes/No
9	Tail wheel height adjusting lever	Yes/No

#### **Other observations**

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## 11 REPAIRS AND ADJUSTMENTS DURING TEST

## 12 REMARKS

Signature of test engineer  
Address:

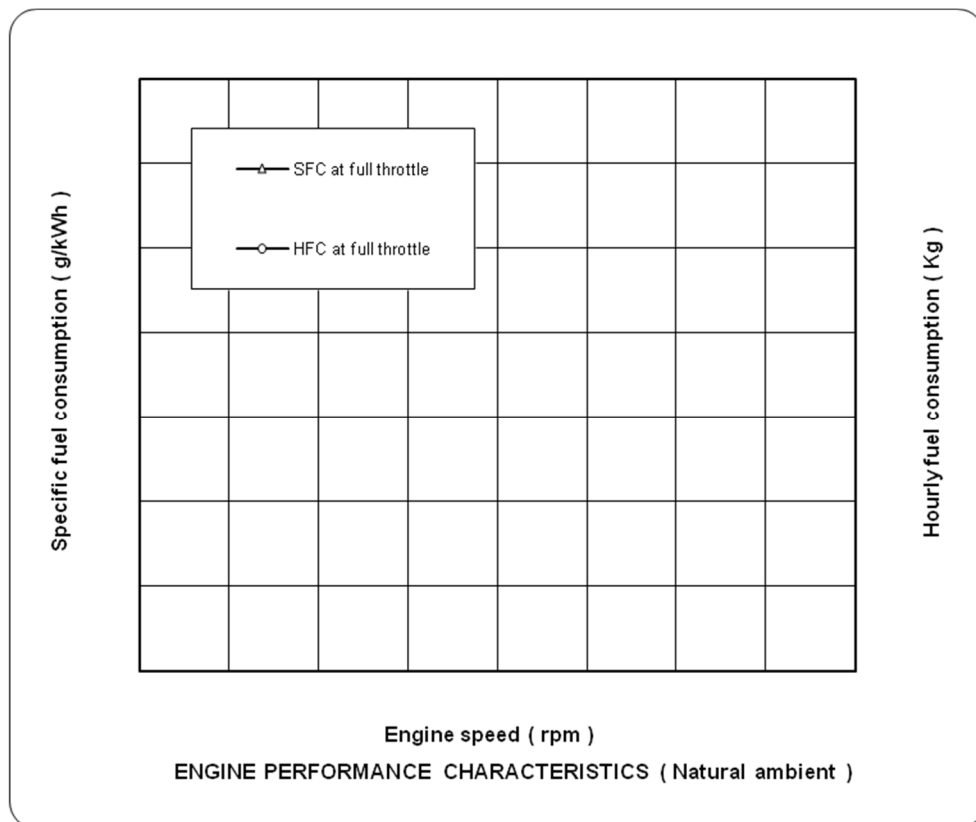
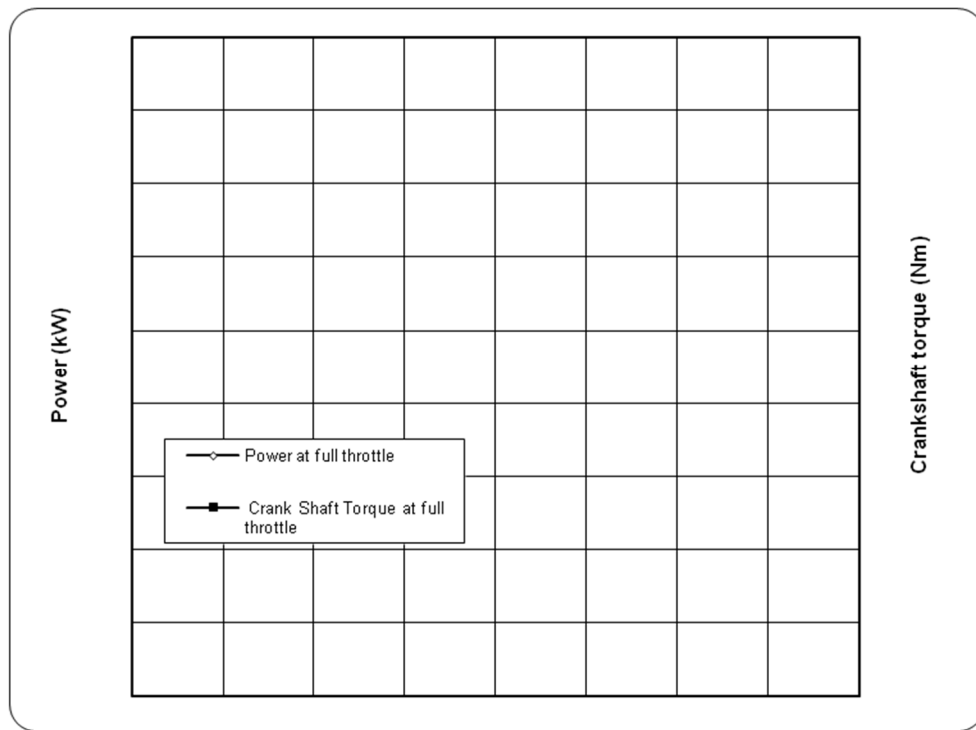
Signature of Head of Testing Station  
Address:

Date:  
Official seal/stamp of the testing station

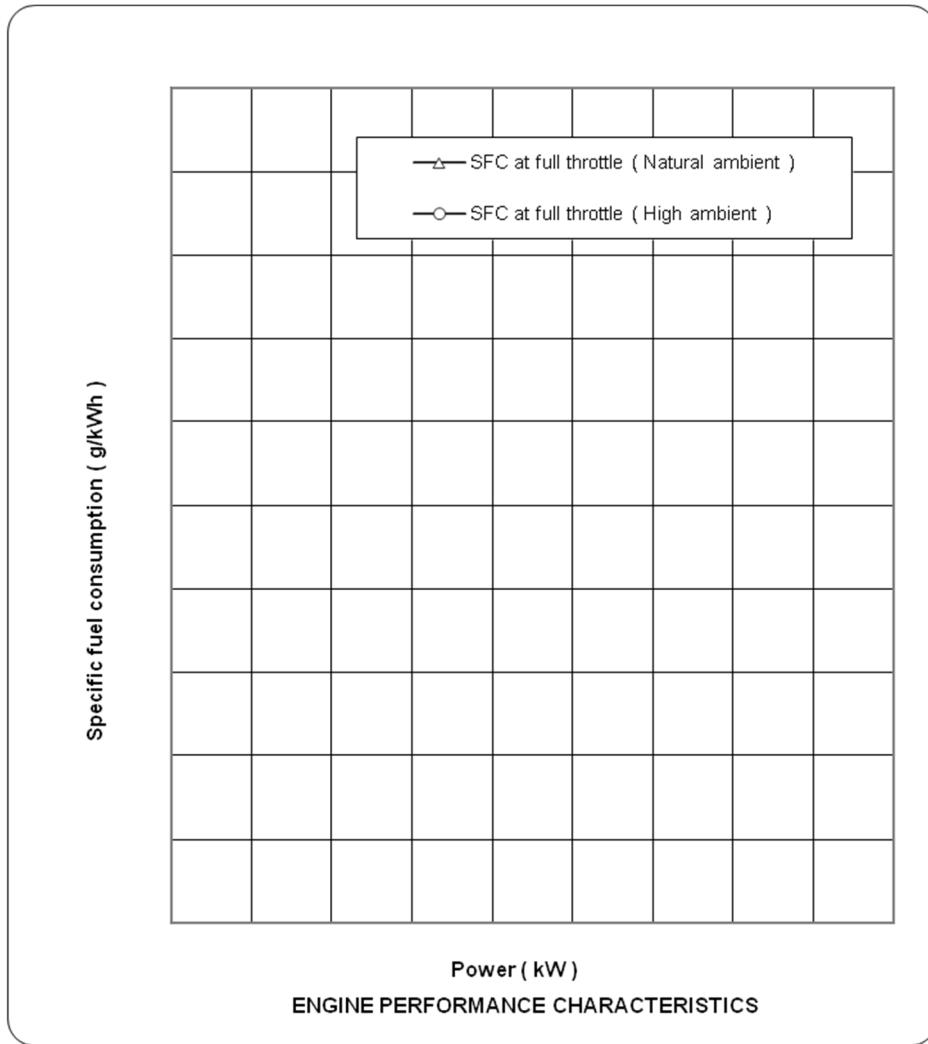


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## Curves of Engine Performance Test (Natural and High Ambient)

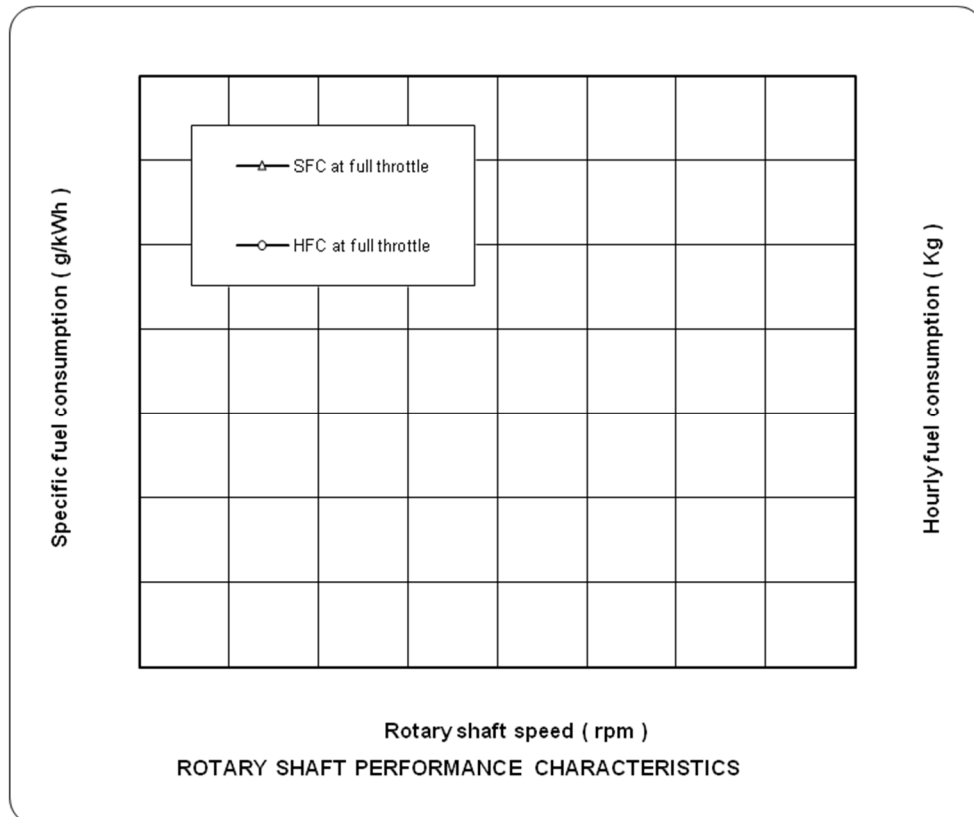
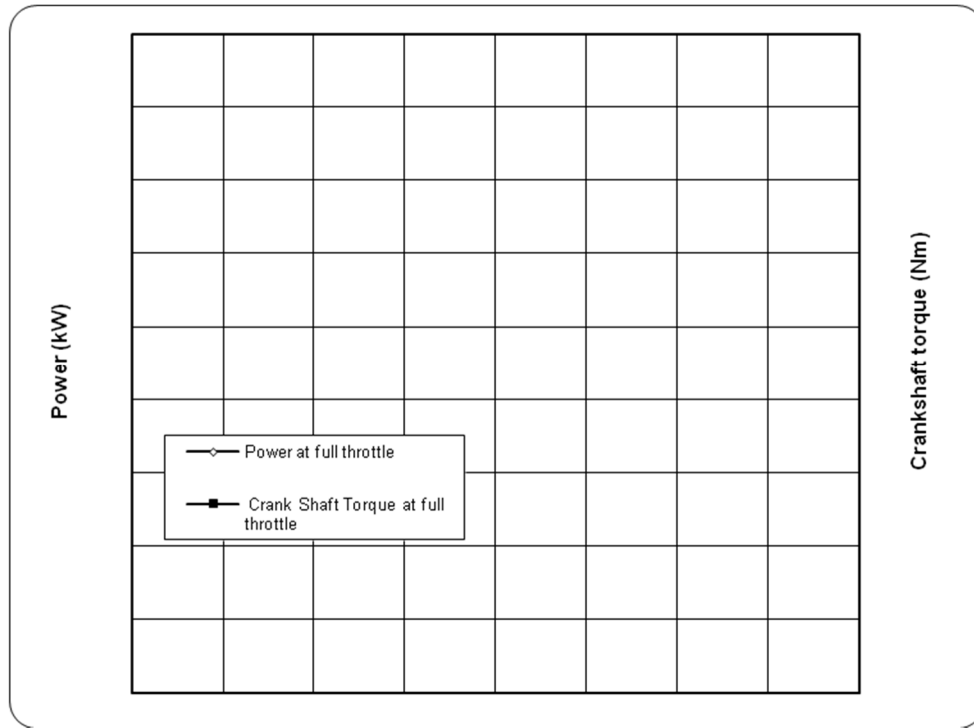


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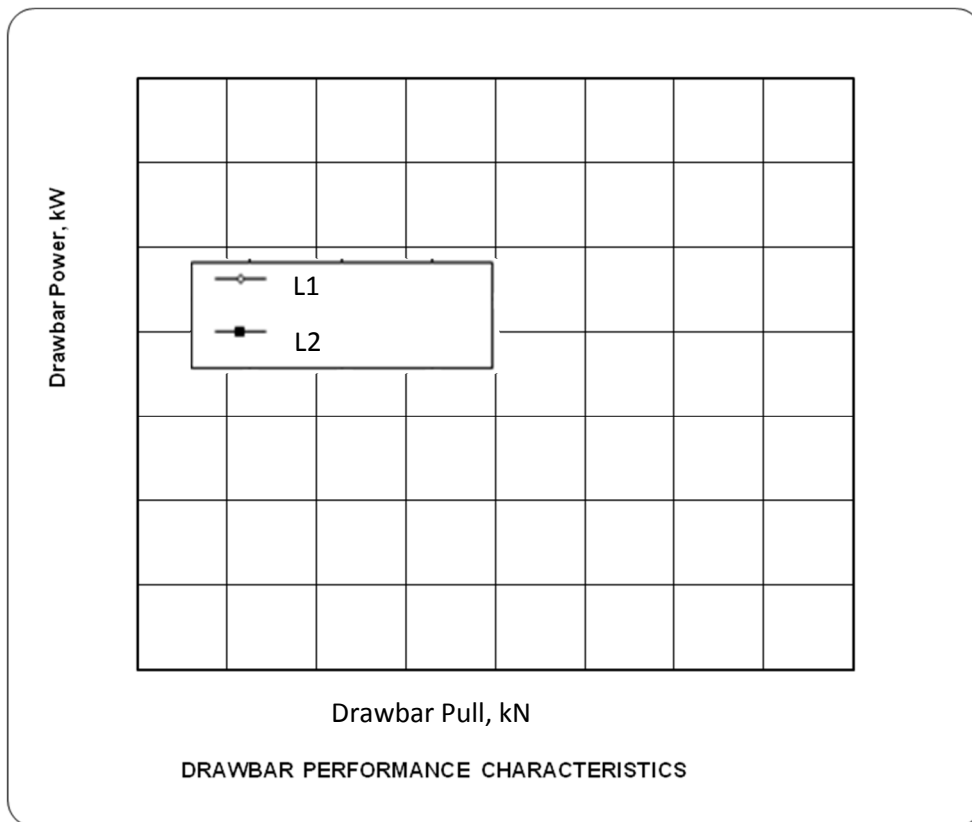
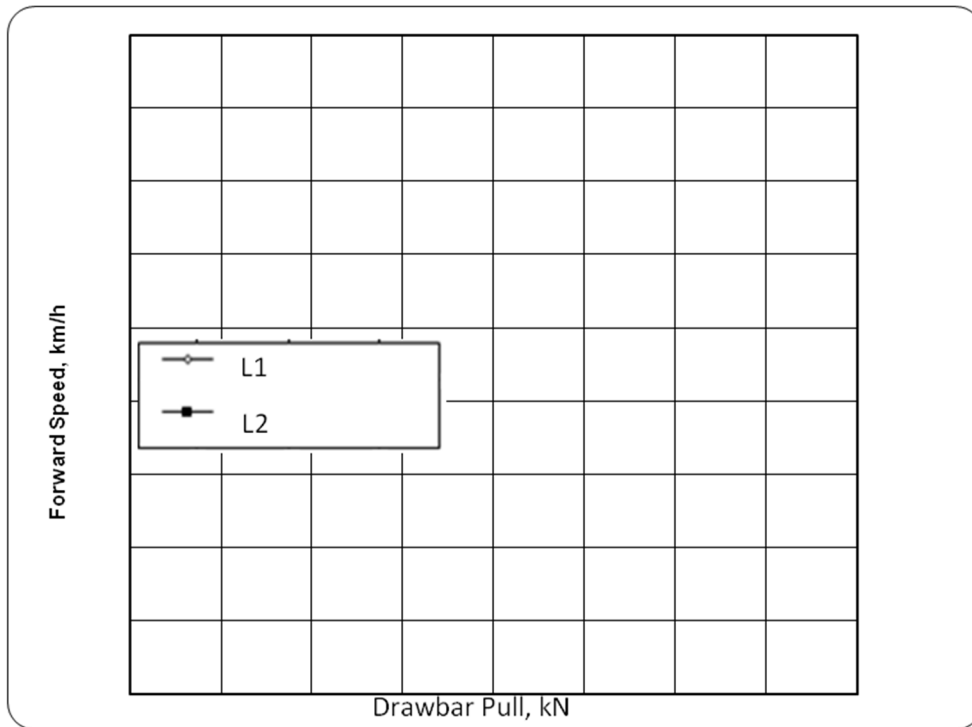
## Curves of Rotary Shaft Test





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## Curves of Drawbar Performance Test



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