व्यावसायिक परीक्षण रिपोर्ट   संख्या / No.: PT-130/1044

COMMERCIAL TEST REPORT   माह / **Month: July, 2019**

<div align="center">

VARIANT MODEL TEST

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KIRLOSKAR KMW-MEGA-T 15 N POWER TILLER

भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, गार्लदिन्ने - 515 731, जिला: अनंतपुर (आं. प्र.)

Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)

[An ISO 9001:2015 CERTIFIED INSTITUTE]

Website: http://srfmtti.dacnet.nic.in/

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E-mail: fmti-sr@nic.in   Tele./FAX: 08551-286441

Manufacturer : M/s. Kirloskar Oil Engines Ltd. (KOEL),
Unit-KMW, Plot No. E-18,
Opp.- M/s. Soktas India Ltd., 5 Star
MIDC, KAGAL-Hatkanangale Industrial
Area, Kolhapur - 416 202, Maharashtra,
India.

Applicant : M/s. Kirloskar Oil Engines Ltd., (KOEL),
Laxmanrao Kirloskar Road, Khadki,
Pune - 411 003, Maharashtra, India.

Indigenous/Imported : **Indigenous**

KIRLOSKAR KMW-MEGA-T 15 N POWER TILLER

Report No.: PT-130/1044   Month: July   Year: 2019

Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture, Cooperation and Farmers Welfare
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Telephone No. 08551-286441   Fax No.08551-286441
Website: http://srfmtti.dacnet.nic.in/   E-mail: fmti-sr@nic.in

b)	Power at rated engine speed,(kW)	Evaluative	Minimum 75 percent of observed rated bhp of power tiller	7.3	8.3	10.0	9.7	Yes
c)	Specific fuel consumption corresponding to power at rated engine speed,(g/kWh)	Evaluative	To be declared by the manufacturer with a tolerance of + 5 percent	290	290	303	278	Yes
d)	Max. equivalent rotary shaft torque, Nm	Evaluative	To be declared by the manufacturer with a tolerance of ± 8 percent	600	600	609.1	582.4	Yes
e)	Max. operating temp. of rotary transmission oil, (^{o}C)	Evaluative	To be declared by the Manufacturer	100	100	82	61	Yes
3.5.3	**Amplitude of mechanical vibration at (microns):**							
a)	Steering handle grips	Non-evaluative	100 m, max.	--	--	246	270	**No**
b)	Gear levers	Non-evaluative	100 m, max.	--	--	91	75	Yes
c)	Clutch / brake lever(s)	Non-evaluative	100 m, max.	--	--	116	147	**No**
d)	Rotary shaft speed change lever	Non-evaluative	100 m, max.	--	--	218	122	**No**
e)	Steering clutch lever	Non-evaluative	100 m, max.	--	--	246	534	**No**
f)	Accelerator lever	Non-evaluative	100 m, max.	--	--	192	224	**No**
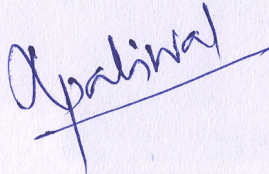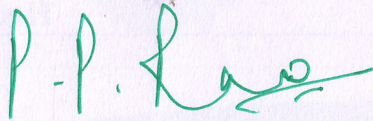
3.5.4   **Salient Observations:**

3.5.4.1   All controls are in single colour (black) this should be as per standard for easy identification as per IS 6283:1971

3.5.4.2   As compare to base model, the following features are changed in Variant model and details are given in Annexure - 1 and listed below:
1. Headlight cover
2. Head light
3. Fuel tank cover
4. Belt pulleys drive guard (Fan belt cover)
5. Sticker are changed.

TESTING AUTHORITY:

RAKESH PALIWAL AGRICULTURAL ENGINEER	*Apaliwal*
Dr. P.P. RAO DIRECTOR	*P.-P. Rao*

4. APPLICANT'S COMMENTS

Para No.	Our reference	Applicant's comments
(1)	(2)	(3)
4.1	3.5.3	We will take corrective actions on mechanical vibrations at these interfaces as per the observation.
4.2	3.5.4.1	We will take corrective action on all controls as per IS standard for easy identification.