प्रारंभिक व्यावसायिक परीक्षण रिपोर्ट संख्या/No. : T- 1812/2343/2024 INITIAL COMMERCIAL TEST REPORT माह/Month : January, 2024

Application Reference No. 28/2023-24/35

(यह परीक्षण रिपोर्ट 31/01/2029 तक वैध है / THIS TEST REPORT IS VALID UPTO 31/01/2029)



Make of Agricultural Tractor :

Model

Manufactured by

: MAHINDRA

: 2124 OJA

: Mahindra & Mahindra Ltd. (Farm Equipment Sector)

Mahindra Research Valley, Mahindra World City, Plot No. 41/1, Anjur P.O. District

Chengalpattu-603004



भारत सरकार

कृषि एवं किसान कल्याण मंत्रालय (कृषि एवं किसान कल्याण विभाग)

GOVERNMENT OF INDIA MINISTRY OF AGRICULTURE AND FARMERS WELFARE

(DEPARTMENT OF AGRICULTURE & FARMERS' WELFARE)

केन्द्रीय कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

ट्रैक्टर नगर, बुदनी (म.प्र.) 466 445

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Page 1 of 33

MAHINDRA, 2124 OJA - INITIAL COMMERCIAL TEST

THIS TEST REPORT IS VALID UPTO 31/01/2029

IMPORTANT INFORMATION

The Government of India, Ministry of Agriculture and Farmers Welfare has directed, vide a OM No. 13-17/2021-M&T(I&P) dated 28.07.2022, that since 15th August, 2022, only mandatory tests will be carried out on a tractor unless applicant has expressly requested for optional tests as well, mentioned in the above captioned OM.

In the instant case, there is no request from the applicant to carry out the optional tests hence only Mandatory Tests, as given below, have been conducted and reported in this report:-

- 1. PTO performance
- 2. Hydraulic performance
- 3. Drawbar performance
- 4. Brake performance

Month: January Test Report No.: T-1812/2343/2024 Year: 2024



GOVERNMENT OF INDIA CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE TRACTOR NAGAR, BUDNI (MADHYA PRADESH) 466445, INDIA

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MAHINDRA, 2124 OJA - INITIAL COMMERCIAL TEST

THIS TEST REPORT IS VALID UPTO 31/01/2029

1. SPECIFICATIONS OF TRACTOR

1.1 Identification:1.1.1 Denomination

[C] Make of tractor : Mahindra [C] Model : 2124 OJA

[C] Type : Four Wheel Driven, Standard Agricultural

Tractor

[C] Month & year of manufacture : 06/23 [D] Country of origin : India

1.1.2 Numbers:

[D] 1st Serial No. or prototype : MBNM9HAPENZM00012 [C] Serial No. : MBNMEL 5KKPZC00095

1.2 Engine:

[D] Manufacturer's address : Yanmar Power Technology Co. Ltd

Plot No I-5, 2nd Avenue Road, ORIGINS By Mahindra World City, North Chennai,

Eliambedu Village, Ponneri Taluk,

Tiruvallur District, Tamilnadu, Pin 601206,

India.

[C] Make : Yanmar Power Technology Co. Ltd.

[C] Model : 3TN82S-B5PMH24

[C] Type : Four stroke, Naturally aspirated, Liquid cooled

Direct injection, Diesel Engine.

[C] Serial No. : 01307M

1.2.1 Cylinders:

[C] Number/disposition : Three, vertical inline

[D] Cylinder liners : Wet, Parent bore, Non Replaceable

[D] Type of combustion chamber : Squish-lip type

1.2.2 Supercharging : Not available

1.2.3 Fuel system:

[C] Fuel feed system : Gravity and Force feed

Filter(s):

[C]Make: BOSCH[C]Model: F002 H25 037[C]Type: Replaceable element

[C] Number(s) : One [D] Capacity of fuel tank, (I) : 22.0

Injection pump:

[C] Make : Yanmar Power Technology Co. Ltd.

[C] Model : 729J32 - 51330
 [C] Type : Inline Plunger
 [C] Serial Number : Not available
 Manufacturer's production setting of injection pump:

Flow rate (rated engine speed & full : 4.02

load), (kg/h)

[C]

[D] Timing : 9.5±1.0deg. BTDC

8.5±2.0deg. BTDC

MAHINDRA, 2124 OJA - INITIAL COMMERCIAL TEST THIS TEST REPORT IS VALID UPTO 31/01/2029

6. SUMMARY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS

6.1 On the basis of test conducted the performance results have been summarized as evaluative (mandatory) / Non-evaluative (Non-mandatory) parameters applicable for Qualifying Minimum Performance criteria as per Clause-4 (Table-1) of IS: 12207-2022 for acceptance of the tractor for the purpose of subsidies/NABARD financing are summarized as under:

SI. No.	Cha	ıracteristic	Category (Evaluative / Non Evaluative)	Requirements as per IS: 12207-2022	Values declared by the applicant/ (D) Requirement (R)	As observed	Whether meets the require-m ents (Yes/No)
1		2	3	4	5	6	7
			• •	llinistry's Office Memorandum	No. 13-17/	2021-M8	T (I&P)
	dated	l 28 th of July,	2022).				
6.1.1	PTO	Performance:					
а)	under	num power 2 h test, (Natural	Evaluative	Declared value to be achieved with a tolerance of: ±5% for PTO power and or engine power >26 kW. ±10% for PTO power and or engine ≤ 26	15.36 (D)	15.5	Yes
	ambie	ent condition)		kW.			
b)		r at rated e speed, (kW)	Non Evaluative	-do-	15.36 (D)	15.5	Yes
c)	consu	fic fuel umption sponding to num power, (h)	Evaluative	+ 10% max.	286 (D)	259	Yes
d)	Maximum equivalent crankshaft torque, (Nm)		Non Evaluative	± 8%	83.3 (D)	72.7	No
e)	Back-up torque, percent		Evaluative	12% min.	12 (D) 12 (R)	18.0	Yes
f)	Maximum operating			(°C):			_
	1)	Engine oil	Evaluative	The declared value should not exceed the max. value specified by the oil company and the observed value under natural ambient/high ambient condition should not exceed the declaration.	125 (D)	111	Yes
	2)	Coolant	Evaluative	Observed value should not exceed the declared value or boiling point of the coolant at radiator cap pressure whichever is lower. The boiling point of the coolant at radiator pressure shall be provided by the applicant.	105 (D)	102	Yes
g)	Engine oil consumption, (g/kWh)		Evaluative	Not exceeding 1% of SFC at max. Power under natural ambient conditions.	2.59 (R) Maximum	0.53	Yes
h)		e level, m ⁻¹	Evaluative	Maximum light absorption coefficient of 3.25 per meter or equivalent BOSCH No. 5.2 or 75 Hatridge value (As per CMVR).	3.25 per meter (R) Maximum	0.35	Yes

MAHINDRA, 2124 OJA - INITIAL COMMERCIAL TEST THIS TEST REPORT IS VALID UPTO 31/01/2029

1		2	3	4	5	6	7
6.1.2	Drawbar performance:						•
a)	Max. with corres	drawbar pull ballast sponding to 15 nt wheel slip,	Non Evaluative	Minimum 70% of static mass of tractor with ballast.	*	*	*
b)	withou corres	drawbar pull ut ballasted sponding to 15 nt wheel slip,	Evalua tive	In case of tractors having total static mass ≥ 1 5 00 kg, Min 70% of static mass of tractor without ballast or with standard ballast, as the case may be. In case of light weight tractors having ≤ 1 500 kg total static mass of tractor, Min. 65% of static mass of tractor without ballast or with standard ballast, as the case may be.	5.32 (D) 5.35(R) Minim um	6.95	Yes
с)			Evaluative	Min 80% of PTO power as referred in SI No. i) a) of PTO performance in case of tractors having total static mass > 1 500 kg. Min 75% of PTO power as referred in SI No. i) a) of PTO performance in case of light weight tractors having ≤ 1500 kg total static mass of tractor. Min 75% of the engine power as referred in SI No. i) a) of engine performance in case of tractors which do not have a PTO shaft.	11.52 (D) 11.6 (R) Minimum	12.3	Yes
d)	tempe	mission oil erature, (°C)	Evaluative	The declared value should not exceed the maximum value specified by oil company.	120 (D)	89	Yes
	*Applicant vide letter no. FD/BVH/ICT/Mahindra2124OJA/23-24/03 dated 08.11. mentioned that ballast mass is not recommended for this model & requested to conduas per the additional guideline for testing of tractors vide OM No. 13-32/2023-N (FTS-125476) dated 16.05.2023. Accordingly, 10 hrs. drawbar test was not conducted			08 11 20°	23 hac		
	as pe	er the additiona	t mass is not i Il guideline fo	recommended for this model & or testing of tractors vide OM	requested to No. 13-32/2	conduct 2023-M&	the test
6.1.3	as pe (FTS- Powe	er the additiona 125476) dated a er lift and hydra	t mass is not land land land land land land land land	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test erformance:	requested to No. 13-32/2	conduct 2023-M&	the test
6.1.3 a)	as per (FTS-Powe Maxin	er the additiona 125476) dated er lift and hydra num lifting capa	t mass is not I guideline fo 16.05.2023. A ulic pump po city throughou	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test	requested to No. 13-32/it was not con	conduct 2023-M& nducted.	the test T (I&P)
	as pe (FTS- Powe	er the additiona 125476) dated a er lift and hydra	t mass is not land land land land land land land land	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test erformance: ut the range of lift, (kN): Should not be less than 90% of declared value.	requested to No. 13-32/2	conduct 2023-M&	the test
a)	as per (FTS-Power Maxim 1) 2)	er the additional content of the standard frame	t mass is not I guideline for 16.05.2023. A culic pump por city throughout Evaluative Evaluative	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test erformance: ut the range of lift, (kN): Should not be less than 90% of declared value. The lift capacity should at least be 24 kg/PTO kW and it should be 21.5 kg/engine kW where the tractor is not provided with a PTO shaft.	9.26 (D) 8.33 (R) Minimum 7.15 (D) 3.65 (R) Minimum	conduct 2023-M& nducted.	the test T (I&P) Yes Yes
a) b)	as per (FTS-Power Maxim 1) 2) Maxim height applic force minute total of Minute Minut	er the additional of the additional of the standard frame frame of the point of the after each 5 es interval for a duration of 30 es, (mm)	t mass is not I guideline for 16.05.2023. A ulic pump por city throughout Evaluative Evaluative Non Evaluative	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test erformance: ut the range of lift, (kN): Should not be less than 90% of declared value. The lift capacity should at least be 24 kg/PTO kW and it should be 21.5 kg/engine kW where the tractor is	9.26 (D) 8.33 (R) Minimum 7.15 (D) 3.65 (R)	o conduct 2023-M& nducted.	the test T (I&P)
b)	As per (FTS-Power Maxim 1) 2) Maxim height applic force minute total of Minute Braker	er the additional of the additional of the points. With the standard frame frame of the point of the after each 5 the addition of the addition of 30 the addition of 30 the ages, (mm) the appendix of the performance of the ages of the performance of the ages of the performance of the addition of 30 the addition of 30 the ages, (mm) the ages of the addition of 30 the ages, (mm) the addition of 30 the ages of the addition of 30 the ages of the addition of 30 the ages of the additional of the additional of 30 the ages of the additional of the additi	t mass is not I guideline for 16.05.2023. A ulic pump por city throughout Evaluative Evaluative Non Evaluative at 25 kmph*	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test erformance: ut the range of lift, (kN): Should not be less than 90% of declared value. The lift capacity should at least be 24 kg/PTO kW and it should be 21.5 kg/engine kW where the tractor is not provided with a PTO shaft. The observed value should not exceed 50 mm.	9.26 (D) 8.33 (R) Minimum 7.15 (D) 3.65 (R) Minimum 50 (D) Maximum	9.58 7.44	Yes Yes Yes
a) b)	As per (FTS-Power Maxim 1) 2) Maxim height applic force minute total of Minute Brake Maxim ballas	er the additional of 125476) dated of 125476) dated of 125476	t mass is not I guideline for 16.05.2023. A culic pump por city throughout Evaluative Evaluative Non Evaluative at 25 kmph* istance at a formula in the second content of the	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test erformance: ut the range of lift, (kN): Should not be less than 90% of declared value. The lift capacity should at least be 24 kg/PTO kW and it should be 21.5 kg/engine kW where the tractor is not provided with a PTO shaft. The observed value should not exceed 50 mm.	9.26 (D) 8.33 (R) Minimum 7.15 (D) 3.65 (R) Minimum 50 (D) Maximum	9.58 7.44 10	the test T (I&P) Yes Yes Yes
b)	Maxim height applic force minute total of Minute Brake Maxim ballas	er the additional of 125476) dated of 125476) dated of 154 and hydral num lifting capa. At hitch points With the standard frame of the point of the point of the after each 5 es interval for a duration of 30 es, (mm) experformance of the num stopping dot, (m) Cold brake	t mass is not I guideline for 16.05.2023. A culic pump posity throughout Evaluative Evaluative Non Evaluative at 25 kmph* istance at a for Evaluative	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test erformance: ut the range of lift, (kN): Should not be less than 90% of declared value. The lift capacity should at least be 24 kg/PTO kW and it should be 21.5 kg/engine kW where the tractor is not provided with a PTO shaft. The observed value should not exceed 50 mm.	9.26 (D) 8.33 (R) Minimum 7.15 (D) 3.65 (R) Minimum 50 (D) Maximum N on brake	9.58 9.58 7.44 10 pedal wi	the test T (I&P) Yes Yes Yes Yes
b) 6.1.4 a)	As per (FTS-Power Maxim 1) 2) Maxim height applic force minute total of Minute Brake Maxim ballass 1) 2)	er the additional of 125476) dated of 125476) dated of 15476 mum lifting capa. At hitch points With the standard frame of the point of the point of the after each 5 es interval for a duration of 30 es, (mm) of performance of mum stopping dot, (m) of Cold brake of Hot brake	t mass is not I guideline for 16.05.2023. A culic pump positive throughout Evaluative Evaluative Non Evaluative at 25 kmph* istance at a for Evaluative Evaluative	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test erformance: ut the range of lift, (kN): Should not be less than 90% of declared value. The lift capacity should at least be 24 kg/PTO kW and it should be 21.5 kg/engine kW where the tractor is not provided with a PTO shaft. The observed value should not exceed 50 mm.	9.26 (D) 8.33 (R) Minimum 7.15 (D) 3.65 (R) Minimum 50 (D) Maximum N on brake	9.58 9.58 7.44 10 pedal wi 5.54 5.69	the test T (I&P) Yes Yes Yes ith road Yes Yes
b)	Maxim height applic force minute total of Minute Brake Maxim ballas 1) 2) Wheth brake force of pedal hand I	with the standard frame The principle of the points With the standard frame The principle of the point of the point of the after each 5 the sinterval for a duration of 30 the mum stopping duration of the point of the point of the after each 5 the sinterval for a duration of 30 the performance of the point of the point of the after each 5 the performance of the performance of the parking is effective at a performance of 600 N at foot (s) or 400 N at ever	t mass is not I guideline for 16.05.2023. A culic pump posity throughout Evaluative Evaluative Non Evaluative at 25 kmph* istance at a for Evaluative Evaluative Evaluative Evaluative Evaluative	recommended for this model & or testing of tractors vide OM accordingly, 10 hrs. drawbar test erformance: ut the range of lift, (kN): Should not be less than 90% of declared value. The lift capacity should at least be 24 kg/PTO kW and it should be 21.5 kg/engine kW where the tractor is not provided with a PTO shaft. The observed value should not exceed 50 mm.	9.26 (D) 8.33 (R) Minimum 7.15 (D) 3.65 (R) Minimum 50 (D) Maximum N on brake 10 (R) 10 (R) Yes	9.58 9.58 7.44 10 5.54 5.69 Yes	the test T (I&P) Yes Yes Yes Yes

MAHINDRA, 2124 OJA - INITIAL COMMERCIAL TEST THIS TEST REPORT IS VALID UPTO 31/01/2029

1	2	3	4	5 6	7			
6.1.5	OPTIONAL TEST			<u> </u>	· ·			
00	As the applicant has not applied for any optional tests, therefore no optional test conducted.							
6.1.6	Safety features :							
a)	Guards again moving and h parts	st Evaluative ot	Belt drives, pulleys, silencer, hydraulic pipes [As per IS 12239 (Part 2)]	Meets the requirement	Yes			
b)	Lighting arrangement	Evaluative	As per CMVR	Meets the requirement	Yes			
c)	Seating requirements (Tractors havir more than 1150 m rear track width)		Should meet the requirements of IS: 12343 (As amended from time to time)	Tractor rear track width is less than 1150 mm	Not appli- cable			
d)	PTO shaft	Non Evaluative	Should meet the requirements of IS: 4931 (As amended from time to time)	Meets the requirement	Yes			
е)	Dimensions of three point linkage	Evaluative	Should meet the requirements of IS: 17231-2019 (As amended from time to time)	Does not meet the requirement	No			
f)	Specifications linkage drawbar	of Non Evaluative	Should meet the requirements of IS: 12953 (As amended from time to time)	Meets the requirement	Yes			
g)	swinging drawb (wherever fitted)		Should meet the requirement of IS: 12362 (Part 3) (As amended from time to time)	Not provided	Not appli- cable			
h)	Audible warnin signal on tractor		If tractor travel speed in reverse gear exceeds 20 kmph, an audible warning signal on tractor shall get activated. A sticker to the effect that "operating the tractor beyond 20 kmph speed in reverse gear is not safe" should be prominently displayed.	Provided (The audible warning signal on tractor is activated when the speed in reverse gear reaches to 20 kmph i.e. HR4-20.83kmph) & a sticker is pasted.	Yes			
6.1.7	Labelling of tract							
	1) Make	Evaluative	Should conform to the requirements of CMVR along	Mahindra	Yes			
	Model Month & Year of manufacture	Evaluative Evaluative	with maximum PTO Power in kW, specific fuel consumption (SFC) corresponding to	2124 OJA 06/23	Yes Yes			
	4) Engine number	Evaluative	 maximum power in g/kWh and year of manufacture in numerical form. 	01307M	Yes			
	5) Chassis number	Evaluative	MM YY	MBNMEL5KKPZ C00095	Yes			
	6) Maximum PTO powei (kW)		Digit 01 – 12 in box No.1for MM will represent the months and next two digits in box No.2 for	15.36	Yes			
	7) Specific fue consumption g/kWh		YY will represent the year of Manufacturing.	286	Yes			

MAHINDRA, 2124 OJA - INITIAL COMMERCIAL TEST THIS TEST REPORT IS VALID UPTO 31/01/2029

1	2	3	4	5	6	7
6.1.8	Literature (Submission to test agency):					
(a)	Operator manual	Evaluative	The printed literature in	Prov	rided .	Yes
(b)	Parts Catalogue	Evaluative	booklet form should be	Provided		Yes
(c)	Workshop/	Evaluative	provided as per IS 8132 and			
	Service manual		should submit along with the	Prov	rided .	Yes
			test sample.			
6.1.9	Fitment of Roll Over Protective Structures (ROPS):					
	For tractor having more than 1150 mm rear track width		ROPS should meet the requirement of IS:1182 or OECD code or equivalent International Standard	Not f	fitted	Not appli- cable
6.1.10	Standard Accessories	Evaluative	Trailer hitch, front tow hook, linkage drawbar should be provided with tractor	Prov	vided	Yes
6.1.11	Accessories (optional)	Non Evaluative	Ballast weight, if fitted, should meet the requirement of CMVR	Not	fitted	Not applic- able

6.2	CATEGORY OF BREAKDOWNS / DEFECTS (As per clause 5.0 of IS:12207-2022):					
S. No.	. Category of Category Requirements break-downs (Evaluative as per IS: 12207-2022		Requirements	As	Whether meets	
			observed	the		
		· / Non	•		Requirements	
		Evaluative)			(Yes/No)	
1.	Critical	Evaluative	No critical breakdown.	None	Yes	
2.	Major	Evaluative	Not more than two and neither of	None	Yes	
			them should be repetitive in nature.			
3.	Minor	Evaluative	Not more than five and neither of	None	Yes	
			them should be repetitive in nature.	None		
	Total		In no case, the total number of	None	Yes	
4.	breakdowns	Evaluative	breakdowns should exceed five, that			
			is, (2 major + 3 minor) or (1 major + 4			
			minor) or 5 minor breakdowns.			

6.3 Conformity with following IS:

Guidelines for declaration of power and specific fuel consumption and : i) Conforms agricultural tractors (First revision) [IS:10273 -1987 labeling of

(Reaffirmed Year 2019)]

Agricultural tractors - Rear mounted power take-off - Types 1, 2 and 3 : Conforms

(third revision) [IS:4931-1995 (Reaffirmed Year 2019)]

Agricultural wheeled tractors - Rear mounted three-point linkage: Part 1: iii) Does not

Categories 1N, 1, 2N, 2, 3N, 3, 4 & 4N [IS:17321-2019]

Drawbar for agricultural tractors - Link type [IS 12953:1990 (Reaffirmed: Conforms iv)

Year 2022)]

ii)

vii)

Agricultural tractors- Operator's seat technical requirement [IS12343 - : v) Not applicable

20211

(Tractor rear track width is less than 1150 mm)

Guide for safety & comfort of operator of agricultural tractors:Part 1: vi) Does not General requirements (first revision):[IS 12239 (Part 1) - 2018]

conform Tractors and machinery for agriculture and forestry – Technical means for : Does not conform

ensuring safety Part 2: Tractors (first revision) (IS 12239 (Part 2) 1999)

(Reaffirmed Year 2019)]

conform

MAHINDRA, 2124 OJA - INITIAL COMMERCIAL TEST

THIS TEST REPORT IS VALID UPTO 31/01/2029

viii) Guide lines for location and operation of operator controls on agricultural : Does not tractors and machinery [IS: 8133 - 2021] conform

ix) Tractors and machinery [is. 6135 - 2021]

Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays Part2

Symbols for agricultural tractors and machinery [IS: 6283(Part-1) - 2006 (Reaffirmed Year 2019) and IS: 6283 (Part-2) – 2007 (Reaffirmed Year

x) Agricultural Tractors and Machinery-Lighting device for travel on public : Conforms roads (IS:14683-1999) (Reaffirmed Year 2019)]

6.4 Salient Observations:

2019)]

6.4.1 PTO Performance Test:

The maximum equivalent crankshaft torque was recorded as 72.7 N-m against the declaration of 83.3 N-m, which does not meet the non-evaluative requirement of IS 12207: 2022. This should be looked into for necessary corrective action.

6.4.2 Hydraulic performance test:

During lifting capacity test at standard frame, the angle of rotation of mast was observed as 7.8 degrees over the full range of lift against the requirement of minimum 10.0 degrees, which does not meet the requirement of IS: 12224-1987. This should be looked into necessary corrective action

6.4.3 Operator's work place:

The following parameters does not meet the requirement of IS: 12239 (Part-I) 2018.

- i) Vertical retainer on inner side of clutch pedal was not provided
- ii) Spark arresting device has not been provided in the exhaust system
- iii) Master shield has not been provided.

Therefore, all of the above should be looked into for necessary corrective action.

6.4.4 Three point linkage:

The dimension of transport height does not meet the requirements of IS: 17231-2019. This should be looked into for corrective action.

6.4.5 PTO master shield:

PTO master shield has not been provided on tractor. This should be looked into for necessary corrective action.

6.5 Maintenance / Service Problems:

No noticeable maintenance or service problem was observed during the test.

6.6 Recommendation with regard to safety on tractor:

- i) The hand accelerator lever, when moved away from the operator (i.e. forward) decreases the engine speed, which does not meet the requirement as laid down in Table 1 of IS: 8133-2021.
- ii) Color code on illuminated display of engine revolution gauge has not been provided as per the requirement as laid down in IS: 6283 (Part 2): 2007.

Above parameters should be looked into for necessary corrective action.

MAHINDRA, 2124 OJA - INITIAL COMMERCIAL TEST

THIS TEST REPORT IS VALID UPTO 31/01/2029

6.7 Adequacy of Literature supplied with machine:

- 6.7.1 The following literatures were supplied with the test tractor for reference during the test:
 - a) Operator's Manual for "Mahindra 2121 OJA, Mahindra 2124 OJA, Mahindra 2127 & Mahindra 2130" tractor model.
 - b) Parts catalogue for "Mahindra 2121 OJA, Mahindra 2124 OJA, Mahindra 2127 & Mahindra 2130" tractor model.
 - c) Service manual for "Mahindra 2121 OJA, Mahindra 2124 OJA, Mahindra 2127 & Mahindra 2130" tractor model.
- 6.7.2 The operator manual may be brought out for the guidance of users and service personnel as per IS: 8132-1999 incorporating, inter alia, the following:
 - i) Safe hitch height for trailer.

TEST CARRIED OUT AT C.F.M.T. & T.I., BUDNI (M.P.), INDIA TESTING AUTHORITY

B.N DIXIT AGRICULTURAL ENGINEER	
R.P. PANDEY SENIOR INSTRUMENTATION ENGINEER	Randey
A. K. UPADHYAY DIRECTOR (I/C)	Chu

Draft Test Report compiled by Poonam Khurasia, Senior Technical Assistant.

7. APPLICANT'S COMMENTS

Para no.	Our reference	Applicant's comments
7.1	6.7.2	Parameters will be studied and necessary action will be initiated.

MAHINDRA, 2124 OJA - INITIAL COMMERCIAL TEST THIS TEST REPORT IS VALID UPTO 31/01/2029

ANNEXURE-I

TRACTOR RUN HOURS DURING TEST

A.	LABORATORY AND TRACK TESTS:	HOURS
1.	Running-in	Applicant has declared it to be conducted on their work place.
2.	PTO performance test	13.3
3.	Power lift and hydraulic pump performance test	3.7
4.	Drawbar performance test	3.9
5.	Brake performance test	1.0
6.	Nominal speed test	4.3
В.	Miscellaneous test and other run hours including idle run, transportation, trials and preparation for test.	2.5
	TOTAL:	28.7