International Tractors Limited

Head Office & Plant: Village Chak Gujran, P.O. Piplanwala
Jalandhar Road, Hoshiarpur (Pb.)-146022
Phone: +91-1882-302220, 302221, Fax: +91-1882-302222
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Marketing Office: C-133 A, Sector-2,
Noida- 201301
Phone: +91-120-4095860

FOGLIARINO

DM2-5

EU CERTIFICATE OF CONFORMITY

The undersigned: : Deepak Gupta / Joint General Manager, hereby certify that the following complete vehicle:

1.1	Make(s) (trade name of the manufacturer):	SONALIKA INTERNATIONAL / Solis
1.2	Type ([2]):	S60V
1.2.1	Variant ([2]):	4LA2TS
1.2.2	Version ([2]):	UN
1.2.3	Commercial name (If available):	Solis 60 2WD V
1.3	Category, subcategory and speed index of vehicle ([3]):	T1 a
1.4	Company name & address of manufacturer:	**International Tractors Limited** Village Chak Gujran, P.O Piplanwala, Jalandhar Road, Hoshiarpur – 146022, Punjab, India
1.4.2	Name and address of manufacturer's authorised representative (if any):	MR. EMMANUEL DURANT SPRL/BVBA DURANT AGRICOLE & JARDIN 48, Rue de la Gendarmerie B-5600 PHILIPPEVILLE, Belgium, Tel: 071/66.74.92
1.5.1	Location of the manufacturer's statutory plate(s) ([8]):	On back side of tractor
1.5.2	Method of attachment of the manufacturer's statutory plate(s):	By riveting
1.6.1	Location of the Vehicle identification number on the chassis:	On RHS of Front axle bracket
2	Vehicle Identification number:	MEMSYVTNUJPH60936

Conforms in all respects to the type described in EU type-approval e5*167/2013*00054*03 issued on 16-08-2023 and can be permanently registered in Member States having right/left (Both) - hand traffic and using metric / imperial (NA) units for the speedometer (NA).

Signature:

(Place) (Date)
Hoshiarpur, 15.09.2023

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Solis 60 Stage V 2WD, Variant- S60 4LA2TS UN, Extension 03		
(Complete, completed and Incomplete Vehicles)		
	General construction characteristics	
3.3.1	Number of axles and wheels :	Two and Four
3.3.2	Number and position of axles with twinned wheels:	NA
3.3.3	Number and position of steered axles ([10]):	One at Front
3.3.4	Number and position of Powered axles ([1])([10]):	One at rear
3.3.5	Number and position of braked axles ([1])([10]):	One at Rear
3.4.1	Crawler undercarriage configuration: set of track trains at rear / set of track trains at front and rear/continues track train at each side of the vehicle ([33a])([1]):	NA
3.4.2	Number and position of powered set of track trains ([7]):	NA
3.4.3	Number and position of braked set of track trains ([7]):	NA
3.4.4	Steering by ([33a]):	
	- Changing the speed between the left-hand side and right-hand side track trains: yes / no ([1])	NA
	- Pivoting of two opposite or all four track trains: yes / no ([4])	NA
	- articulation of the front and rear part of the vehicle around a central vertical axis: yes / no ([4])	NA
	- articulation of the front and rear part of the vehicle around a central vertical axis and changing the direction of the wheels on the wheeled axle: yes / no	NA
Constructions characteristics for special purposes		
47.1	Vehicle equipped with falling object protective structure (FOPS) for forestry applications: ~~yes~~ / no ([1])([33k])	No
47.2	Vehicle equipped with falling object protective structure (FOPS) for other applications than forestry: ~~yes~~ / no ([1])([33k])	No
55.1	Vehicle equipped with protection against penetrating object (OPS) for forestry applications: ~~yes~~ / no ([1])([33k])	No

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55.2	Vehicle equipped with protection against penetrating object (OPS) for other applications than forestry: ~~yes~~ / no ([1])([33k])	No
58.3	Vehicle equipped with a cab classified for protection against hazardous substances of category: 2/3/4 ([1])([35]) and a dust filter/Aerosol filter/Vapour filter ([1])([36]) with regard to protection against hazardous substances ([33n]):	No
59	Vehicle with machinery mounted on it ([1]): ~~yes~~ / no ([1])([33o])	No
59.1	General description of the machinery and its inter-action with the vehicle([33o])	NA
4.1.1.1	Unladen mass(es) in running order:	
4.1.1.1.1	Maximum(11):.....kg	3560
4.1.1.1.2	Minimum (11).....kg	3340
4.1.2.1	Technically permissible maximum laden mass(es):.....kg	5050
4.1.2.1.1	Technically permissible maximum mass (es) per axle: Axle1...kg Axle 2.....kg Axle ……..kg	Axle 1: 2270 / Axle 2: 2780
4.1.2.2	Mass(es) and tyre(s)	

Tyre Combination no.	Axle no.	Tyre dimension including load capacity index and speed category symbol	Rolling radius (1) [mm]	Tyre Load rating per tyre [kg]	Maximum permissible mass per axle [kg] (*)	Maximum permissible mass of the vehicle [kg](*)	Maximum permissible vertical load on the coupling point [kg] (*)(**)	Track width [mm]	
								Minimum	Maximum
1	1	7.50-16 8PR 103 A6	380	1030	2060	4840	GTB30015 D : 2000kG,	1395	1395
	2	14.9-28 12PR 136 A6	667	2120	2780			1450	1450

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	(*) According to the tyre specification. (**) Load transmitted to the reference centre of the coupling unde static conditions, irrespective to the coupling device; if the maximum permissible vertical load on th coupling point depending on the coupling is indicated in this table, expand the table at the right side an indicate the identification of the coupling device in the header of the column; for R- or S-category vehicle this column(s) concerns the rear coupling devices if there is such a device. (***) Value to be provided only if the maximum permissible vertical load on the coupling point is lower thar indicated in entries 38.3 and 38.4’;

4.1.2.3 Mass(es) and crawler undercarriage ([33a])

	Set of track trains no	Track dimensions		Average contact pressure on the ground [kPa]	Maximum load per track roller [kg] (*)	Maximum permissible mass per set of track trains [kg] (*)	Maximum permissible mass of the vehicle [kg] (*)	Maximum permissible vertical load on the coupling point [kg](*)(**)
		Length [mm]	Width [mm]					
	1	NA	NA	NA	NA	NA	NA	NA
	2	NA	NA	NA	NA	NA	NA	NA

4.1.3 Technically permissible towable mass(es) for each chassis/braking configuration of the R-or-S-category

R-and-S Category vehicle / Brake	Drawbar	Rigid drawbar	Center-axle
Unbraked..kg	2800	2800	2800
Inertia-braked...kg	6000	6000	6000
Hydraulic braked...kg	8000	8000	8000
Pneumatic braked...kg	8000	8000	8000

4.1.4 Total technically permissible mass(es) of the combination with a towed vehicle (r-or S-category vehicle) for each chassis/braking configuration of the R-or S-category vehicle:

R-and-S Category vehicle / Brake	Drawbar	Rigid drawbar	Center-axle
Unbraked…….kg	7850	7850	7850
Inertia-braked……..kg	11050	11050	11050
Hydraulic braked…....kg	13050	13050	13050
Pneumatic braked…...kg	13050	13050	13050

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Ballast masses			
29.2	Number of sets of ballast masses:		
29.2.1	Number of components on each set:		Set 1 (Front) : 6 (31 Kg in front) Set 2 (Rear) : 2 (30 Kg on each side)
29.4	Total mass of ballast masses:.....kg		246
Main dimensions			
4.2.1	For incomplete vehicles([33b])		
4.2.1.1	Permissible Length for the completed vehicle ([13]): mm	Maximum	NA
		Minimum	NA
4.2.1.2	Permissible width for the completed vehicle ([14]): mm	Maximum	NA
		Minimum	NA
4.2.1.3	Height (in running order)([15]):.....mm	Maximum	NA
		Minimum	NA
4.2.2	For complete/completed([1])([33c]) vehicles		
4.2.2.1.1	Length for on-road use ([13]): mm	Maximum	4010
		Minimum	3780
4.2.2.1.2	Width for on-road use ([14]): mm	Maximum	1865
		Minimum	1620
4.2.2.1.3	Height for on-road use ([15]): mm	Maximum	2470
		Minimum	2400
4.2.2.5	Wheelbase ([16]):.....mm		2110
4.2.2.8	Track width([17])....mm		
4.2.2.8.1	Maximum: Axle 1 … mm Axle 2 … mm		Axle 1: 1380 Axle 2: 1450
4.2.2.8.2	Minimum: Axle 1 … mm Axle 2 … mm		Axle 1: 1350 Axle 2: 1450
General Power-train characteristics			
5.1.1.1	Declared maximum design vehicle speed: ..... km/h		28.87
5.1.2.1	Declared rearward maximum design vehicle speed: ..... km/h';		25.98

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Engine		
2.1	Make(s) (trade name(s) of manufacturer):	International Tractors Limited
2.2	Type ([37]):	3105CTIV
2.2.2	Type-approval number without extension:	e5*2016/1628*2016/1628EV4/D*0192*00
6.1.7	Category and sub-category of the engine ([12]): …	NRE-v-4
6.2.1	Combustion Cycle: four stroke cycle/two stroke cycle/rotary/other (specify) ([1]): …	Four stroke
6.2.2.	Ignition Type: Compression ignition/spark ignition ([1])	Compression ignition
6.2.3.1.	Cylinders' number: … and configuration ([24]): …	03 Cyl and Vertical Inline layout
6.2.8.1.	Fuel Type ([20]): Fuel type / Sub Fuel type / Fueling arrangement	Diesel (on-road gas oil)
6.2.8.3.	List of additional fuels compatible with use by the engine ([21]):	Not applicable
6.3.2.1.2	Declared rated net power:… kW	43.2 (±2%)
6.3.2.2.2.	Maximum net power:… kW	43.2 (±2%)
6.5	Engine total swept volume: …….. cm^3	3065 cm3
Gearbox		
11.2.8	Type of transmission ratio change system: Mechanical (gear change) / Double clutch (gear change) / Semi-automatic (gear change) / Automatic (gear change) / Continuously Variable Transmission/ hydrostatic / not applicable / other ([1]) (if other, specify: …)';	Mechanical gear change
Steering		
13.2	Steering category: ~~manual~~/power-assisted/~~servo steering/differential~~ ([1])	Power Assisted
Braking		
43.4.6	Electronic braking system: yes/no/optional([4])	No
43.5.1	Braking transmission of the service braking system on towing vehicle mechanical / ~~pneumatic / hydraulic / hydrostatic / without power assistance / power-assisted / fully powered transmission~~ ([4])';	Not Applicable
43.6.1	Towed vehicle braking control system technology: Hydraulic/Pneumatic/Electric([4])	NA
43.6.4	Connections type: single line/two-lines / None([1])	NA
43.6.4.1	Supply pressure Hydraulic: Single line: ..... kPa Two lines: ..... kPa	NA

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43.6.4.2	Supply pressure Pneumatic: ..... Two lines: ..... kPa	NA
43.6.5.1	Presence of ISO 7638:2003 connector (^{33p}): yes/no ([1]) ’;	Yes
Rollover protective structure (ROPS)		
2.1	Make (s) (trade name(s) of manufacturer):	International Tractors Limited
2.2.2	Type-approval number(s):	e5*1322/2014*2018/830U3*00076*01
46.1	Equipment of ROPS: compulsory / ~~optional/standard~~ ([1]) ’;	Compulsory
46.2	ROPS ~~by cab~~ /~~ by frame~~ / by roll bar(s) mounted at ~~front~~ /-rear([1]):	By cab
46.2.1	In the case of roll bar: foldable/~~not foldable~~ ([1])	Not Foldable
46.2.2	In the case of foldable roll bar:	
46.2.2.1	Folding operation: non-assisted /~~ partially assisted / fully assisted~~ ([1])	NA
46.2.2.2.1	Hand-operated foldable ROPS: with tools/ ~~without tools~~ (4)	Without Tools
46.2.2.4	Locking mechanism: manual/automatic([1])	NA
Seating Positions (saddles and seats)		
49.1	Seating position configuration: seat/~~saddle~~([1])	Seat
49.4.2	Driver’s seat type category A class I/II/~~III,~~ category B([1])	Category A Class I & II
49.4.3	Reversible driving position: ~~yes~~/no([1])	No
49.5.1	Number of passenger seats: ..... ’;	NA
Load platform (s)		
33.1.1	Length of the load platform(s):.....mm	NA
33.1.2	Width of load platform(s):.....mm	NA
33.1.3	Height of load platform(s) above the ground:....mm	NA
33.2	Safe load carrying capacity of load platform declared by manufacturer:.....kg	NA
Mechanical couplings		
38.3	Rear mechanical coupling	
	Type (according to Appendix 1 of Annex XXXIV to Commission Delegated Regulation (EU) 2015/208):	Automatic Trailer Coupling

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	Make:			CBM
	Manufacturer's type designation:			GTB30002D
	(EU) type-approval mark or-number:			e1*2015/208*2018/829ND*00544*00
	Maximum horizontal load/D-Value ([4])([44]) :			96.4 kN
	Towable mass (T) ([4])([44]) :			NA
	Maximum permissible vertical load on the coupling point([44]):.....kg			2000 Kg
	Position of coupling point ([62])	Height above ground .....mm	minimum	315-390
			maximum	665-740
		Distance from vertical plane passing through the axis of the rear axle.....mm	minimum	695
			maximum	695
Three-point lifting mechanism				
39.1	Three-point lifting mechanism: ~~front mounted~~/rear mounted/~~both front and rear mounted/inexistent~~ ([1])			Rear mounted
39.2	Maximum towable mass ([23]): ..... kg';			2500
Additional coupling points				
40.1	Additional coupling points: ~~yes~~/no/~~optional~~ ([1])			No
Power take-offs				
51.2	Main PTO: Position: ~~front~~/rear/~~other~~([1])(if other specify):			Rear
51.3	Secondary PTO (if fitted): front~~/rear/other~~(1)(if other specify):			NA

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51.2.3	Optional: power at the power take-offs(PTO) at the rated speed(s) (in accordance with OECD code 2([26]) or ISO 789-1:1990 (agricultural tractors- Test procedures- part 1: power tests for power take-off))	Rated speed PTO (min^{-1})	Corresponding engine speed (min^{-1})	Power (kW)
		1-540	1900	38.44 ± 2 %
		2-1000	NA	NA
		540 E	1647	37.58 ± 2%
		1000 E	Na	NA

Results of the sound level test (external)			
	Measured in accordance with Annex II to Commission Delegated Regulation (EU) 2018/985, as last amended by Commission Delegated Regulation (EU) 2018/985 ([1]) ([28])';	Moving:…..dB(A)	84
		Stationary:…..dB(A)	83
		Engine speed…..min^{-1}	1500
Driver-perceived sound level:			
	Measured according to Annex XIII to commission delegated regulation (EU) 1322/2014, as last amended by commission delegated regulation (EU) 2018/830 ([1])([28])	Driver's exposure to noise level……dB(A)	84.4
		Test method used ([27])	([2]) As per (EU) 1322/2014 as last amended by 2018/830, Annex XIII

Results of exhaust emission tests (inclusive of deterioration factor)			
	Measured according to:		
	— Commission Delegated Regulation (EU) 2018/985, as last amended by Commission Delegated Regulation (EU) …/… (1) (28): ~~yes~~/no (1);		
	— Regulation (EU) 2016/1628 of the European Parliament and of the Council, as last amended by (Commission Delegated) ([1]) Regulation (EU) …/… (of the European Parliament and of the Council) ([1]) ([29]): yes/~~no~~ ([1]);		
	— Regulation (EC) no 595/2009 of the European parliament and of the council, as last amended by (commission delegated) (1) Regulation (EU) (no) (1)../..(1)(30) (of the European parliament and of the council)(1): ~~yes~~/no		
	Emission	NRSC([2]) / ESC / WHSC([1])	NR transient test([3]) / ETC / WHTC([1])

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	CO: ..... g/kWh	0.013	0.13
	HC: ..... g/kWh	NA	NA
	NOx: (38)..... g/kWh	NA	NA
	HC + NOx: ..... g/kWh	3.763	2.97605
	PM	0.00357	0.0063
	PN (#/kWh)	1.134×10^{11}	3.31×10^{11}
	CO_2 result ([4]):	728.97 g/kWh	778.915 g/kWh
	Explanatory notes: For engines tested on heavy duty test cycles, indicate the final test results (inclusive of Deterioration Factor) and the CO2 result of the ESC/WHSC or ETC/WHTC test in accordance with Regulation (EC) 595/2009. For engines tested on non-road test cycles, indicate the applicable information of the Test Report For Non-Road Engines set out in Appendix 1 to Annex VI to Commission Implementing Regulation (EU) 2017/656, in accordance with the following explanatory notes: (1) For NRSC, note the cycle indicated in point 9.1 (Table 4) of; for transient test note the cycle indicated in point 10.1 (Table 8). (2) Copy the "Final test result with DF" results from Table 6. (3) Copy the "Final test result with DF" results from Table 9 or, as applicable, from Table 10. (4) (4) For an engine type or engine family that is tested on both the NRSC and a non-road transient cycle, indicate the hot cycle CO2 emissions values from the NRTC noted in point 10.3.4 or the CO2 emissions values from the LSI-NRTC noted in point 10.4.4. For an engine only tested on an NRSC indicate the CO2 emissions values given in that cycle from point 9.3.3.'		
Comments: Nil			

TOGLIARINO

INTERNATIONAL TRACTORS LIMITED

FIACCADORI soluzioni

Dichiarazione per l'Immatricolazione

In riferimento al Regolamento UE 167/2013 relativo all'omologazione dei veicoli agricoli e forestali ed ai fini dell'immatricolazione in Italia secondo quanto previsto dall'articolo 104 del Decreto Legislativo n. 285 del 30 aprile 1992 e successive modificazioni, si dichiara che il veicolo di seguito descritto è individuato con il codice di immatricolazione:

OY: **OYMEM01MAEST04** DEL: **28/11/2023**

OMOLOGAZIONE CE: **e5*167/2013*00054*03**

CATEGORIA: **Trattore agricolo** **T1a**

TIPO: **S60V**

VARIANTE: **4LA2TS**

VERSIONE: **UN**

TELAIO: **MEMSYVTNUJPH60936**

Il trattore agricolo è stato importato presso la dogana di: **CIVITAVECCHIA**

con bolletta d'importazione numero: **23ITQTE04SK24290R9**
(solo per veicoli importati da Paesi non UE)

NOTE: Trattore agricolo conforme a Regolamento UE 2018/830 ed a Regolamento UE 2018/829

DICHIARAZIONE N. **0588/2023**

Tarquinia, li **05/12/2023**

FIRMA (*):

Sig. Marco FIACCADORI
Fiaccadori Soluzioni s.r.l.

(*) la firma è quella depositata presso il competente ufficio della Direzione Generale della Motorizzazione