



भारत सरकार - रेल मंत्रालय
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TM/HM/DGS/Pt.III

Date: 05-03-2020

I-	मुख्य अभियन्ता (ट्रैक मशीन) सभी क्षेत्रिय रेलवे	Chief Engineer (Track Machines) All Zonal Railways
II-	मुख्य कार्यशाला प्रबन्धक (ट्रैक मशीन) सी.पी.ओ.एच. कार्यशाला इलाहाबाद, रायनापाड़ा, कंचरापारा, अहमदाबाद,	Chief Workshop Manager (Track Machines) CPOH Workshop, Allahabad, Rayanapadu, Kanchrapara, Ahmedabad
III-	प्रधानाचार्य भा.रे.रे.प.म.प्र.के. पीपल गांव इलाहाबाद-211011	Principal, IRTMTC, Pipal Gaon, Allahabad-211011
Details of addresses are overleaf.		

विषय : डायनेमिक ट्रैक स्टेबलाइजर मशीन (डी०जी०एस-62 एन) की निरीक्षण जांच सूची का संशोधन -1.

Sub: Revision-1 of Inspection Check List of Dynamic Track Stabilizer (DGS- 62N).

संदर्भ : इस कार्यालय का पत्र सं टीएम/एच एम/15 पार्ट दि. 28.10.2005.

Ref : This office letter no.TM/HM/15 Pt dated-28/10/2005.

डायनेमिक ट्रैक स्टेबलाइजर मशीन (डी०जी०एस-62 एन) की निरीक्षण जांच सूची (टीएम-रिपोर्ट-92),जिससे उपरोक्त संदर्भित पत्र द्वारा जारी किया गया था, का संशोधन - 1 तैयार किया गया है। जिसकी प्रति, आपके सूचनार्थ तथा मशीन के कर्मचारियों जो फील्ड में काम कर रहे हैं, के मार्गदर्शन हेतु संलग्न है। यद्यपि उपरोक्त संशोधन बनाते समय सभी सावधानियाँ बरती गई हैं, फिर भी यदि कोई त्रुटि हो तो, कृपया अपने सुझावों/ टिप्पणियों को सुधार हेतु ई-मेल/ फैंक्स/पत्राचार द्वारा अद्योहस्ताक्षरी को भेजें।

Revision-1 of Inspection Check List of Dynamic Track Stabilizer (DGS- 62N) (TM Report-92) issued vide reference above, has been prepared. A copy of the same is enclosed herewith for your information and guidance of the machine staff working in the field. However, every care has been taken during revision of the above said list, the discrepancy noticed, if any, may be brought to the knowledge of the undersigned for further improvement, by email/fax/post.

Email id - hmtmmrds@gmail.com

संलग्नक : यथोपरि।

DA: As above


5.3.2020

(ओम प्रकाश)

निदेशक रेलपथ मशीन-III

P.T.O

I- मुख्य अभियन्ता (ट्रैक मशीन)

- 1.0 मध्य रेलवे, सीएसटी, मुम्बई-400 001
- 2.0 फेयरली प्लेस, पूर्व रेलवे, कोलकाता-700 001
- 3.0 बडौदा हाउस, उत्तर रेलवे, नयी दिल्ली-110 001
- 4.0 उत्तरपूर्व रेलवे, गोरखपुर 273012
- 5.0 मालीगांव, उत्तरपूर्व सीमान्त रेलवे, गुवाहाटी-781 011
- 6.0 पार्क टाउन, दक्षिण रेलवे, चेन्नई-600 003
- 7.0 रेल निलयम, दक्षिण मध्य रेलवे, सिकन्दराबाद-500 371
- 8.0 गार्डन रीच, दक्षिणपूर्व रेलवे, कोलकाता-700 043
- 9.0 चर्चगेट, पश्चिम रेलवे, मुम्बई-400 020
- 10.0 उत्तर पश्चिम रेलवे, जयपुर-302 001
- 11.0 पूर्व मध्य रेलवे, हाजीपुर-844 101
- 12.0 दक्षिण पश्चिम रेलवे, हुवली-580 023
- 13.0 उत्तर मध्य रेलवे, इलाहाबाद-211 015
- 14.0 पूर्व तट रेलवे, भुवनेश्वर-751 001
- 15.0 पश्चिम मध्य रेलवे, जबलपुर-482 001
- 16.0 दक्षिण पूर्व मध्य रेलवे, बिलासपुर-495 004

Chief Engineer (Track Machines)

- CST, C R, Mumbai - 400 001.
Fairlie Place, E R, Kolkata-700 001.
Baroda House, N R, New Delhi-110 001.
N E R, Gorakhpur-273 012.
Maligaon, N F R, Guwahati -781 011.
Park Town, S R, Chennai -600 003.
Rail Nilayam, SCR, Secunderabad-500 371.
Garden Reach, S E R, Kolkata-700 043.
Churchgate, W R, Mumbai-400 020
N W R, Jaipur-302 001.
E C R, Hazipur-844 101
SWR, Hubli-580 023
NCR, Allahabad-211 015
East Coast Rly, Bhubaneshwar-751 001
WCR, Jabalpur-482 001
South East Central Rly, Bilaspur-495 004

II- मुख्य कार्यशाला प्रबन्धक (ट्रैक मशीन)

- 1.0 सी.पी.ओ.एच. कार्यशाला पो० धूमनगंज इलाहाबाद-221012
- 2.0 सी.पी.ओ.एच. कार्यशाला, दक्षिण मध्य रेलवे, रायनापाडु, विजयवाडा, जिला कृष्णा, आन्ध्र प्रदेश. 521241
- 3.0 सी.पी.ओ.एच. कार्यशाला, पूर्व रेलवे, भूतबागान, रेलवे कॉलोनी, कांचरापाड़ा, पी.एस- बिजपुर पो० कांचरापाड़ा, पश्चिम बंगाल - 743145
- 4.0 मुख्य अभियन्ता, सी.पी.ओ.एच, पश्चिम रेलवे, मंडल रेल प्रबंधक कार्यालय, चामुंडा, माता मंदिर के पास, नरोडा रोड, पो० सैजपुर बोधा, अहमदाबाद-382345

Chief Workshop Manager (Track Machines)

- CPOH Workshop, PO. Dhoomanganj Allahabad-221012
CPOH Workshop, South Central Railway, Rayanapadu, Vijaywada, Dist.-Krishna, Andhra Pradesh-521241
CPOH Workshop, Eastern Railway, Bhutbagan Railway Colony, Kanchrapara, P.S: Bizpur, P.O.: Kanchrapara, West Bengal-743145
Chief Engineer. C.P.O.H, Western Railway, Divisional Office, Near Chamunda Mata Mandir, Naroda Road, P.O. - Saijpur Bogha, Ahmedabad-382345

III- प्रधानाचार्य भारे.रे.प.म.प्र.के. पीपल गांव इलाहाबाद-211011

Principal, IRTMTC, PipalGaon, Allahabad-211011



**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

CHECK LIST FOR INSPECTION OF DYNAMIC TRACK STABILIZER



(DGS-62N)

**REPORT NO. TM-92
(Revision-1 of 2020)**

February 2020

**RESEARCH DESIGNS & STANDARDS ORGANISATION
LUCKNOW-226011**

Inspection of Dynamic Track Stabilizer(DGS-62N)

**Name & Designation of Inspecting
Official**

:

Date of Inspection

:

Machine No.

:

Base Station /division

:

Working between stations

: From-----To-----

Location of working

: Km-----To Km -----

Block hours

:

Progress

:

ITEMS TO BE CHECKED

S. No	Items	Remarks given by inspecting officer
1.0 General :		
1.1.	Name of SSE/JE	
1.2.	Machine make and model	
1.3.	Year of manufacturing	
1.4.	First POH of M/C done on	
1.5.	Last IOH of M/C done on	
1.6.	Next IOH of M/C due on	
1.7.	Last POH of M/C done on	
1.8.	Next POH of M/C due on	
1.9.	Last POH of camping coach done on	
1.10.	Next POH of camping coach due on	
1.11.	All log book filled properly	
1.12.	Failure Register filled properly	
1.13.	Pending Maintenance Schedule and reasons Schedule I,II,III,IV,V,VI,VII	

History of Machine:-----

S. No.	I t e m s		Prevailing Condition	
2.0	Staff			
2.1.	Strength of staff		Full <input type="checkbox"/>	Deficient <input type="checkbox"/>
2.2.	Group performance		Excellent <input type="checkbox"/>	V. Good <input type="checkbox"/>
			Good <input type="checkbox"/>	Average <input type="checkbox"/>
2.3.	Safety awareness		Excellent <input type="checkbox"/>	V. Good <input type="checkbox"/>
			Good <input type="checkbox"/>	Average <input type="checkbox"/>
2.4.	Competency certificate of SSE/JE		Current <input type="checkbox"/>	Expired <input type="checkbox"/>
2.5.	Staff due for Medical		Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.6.	Staff due for training		Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.7.	Staff availing rest on due date		Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.8.	Availability of staff amenities (as per IRTMM-2017)		Available <input type="checkbox"/>	deficient <input type="checkbox"/>
2.9.	General observation of camping coach		Ok <input type="checkbox"/>	To be maintained <input type="checkbox"/>
2.10.	Condition of machine stabling siding		Ok <input type="checkbox"/>	To be cleaned <input type="checkbox"/>
2.11.	Condition of rest house at stabling station		Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>
2.12.	Condition of machine base siding		Satisfactory <input type="checkbox"/>	Not satisfactory <input type="checkbox"/>
3.0	Safety Items:			
3.1.	Safety equipment as per Annexure-I		Available <input type="checkbox"/>	deficient <input type="checkbox"/>
3.2.	Emergency stop button & back up system		Ok <input type="checkbox"/>	Defective <input type="checkbox"/>
3.3.	Fire extinguisher condition		Valid <input type="checkbox"/>	Date expired <input type="checkbox"/>
4.0	Oil/water level in tank/container			
4.1.	Diesel Oil	HSD	Ok <input type="checkbox"/>	Need top up <input type="checkbox"/>
4.2.	Hydraulic oil in tank	HLP-68 or equivalent	Ok <input type="checkbox"/>	Need top up <input type="checkbox"/>
4.3.	Engine lube oil	API CF4 15W40 or equivalent	Ok <input type="checkbox"/>	Need top up <input type="checkbox"/>

S. No.	I t e m s	Agent/Description	Prevailing Condition	
4.4.	Water/ Coolant level in radiator	Coolant	Ok <input type="checkbox"/>	Need top up <input type="checkbox"/>
4.5.	ZF gear box	API CF4 15W40 or equivalent	Ok <input type="checkbox"/>	Need top up <input type="checkbox"/>
4.6.	Axle gear box	SAE-90 or equivalent	Ok <input type="checkbox"/>	Need top up <input type="checkbox"/>
4.7.	Vibration gear boxes	API CF4 15W40 or equivalent	Ok <input type="checkbox"/>	Need top up <input type="checkbox"/>
4.8.	Drive intermediate shaft	Gear oil SAE-90 or equivalent	Ok <input type="checkbox"/>	Need top up <input type="checkbox"/>
4.9.	Distribution gear box	Gear oil SAE-90 or equivalent	Ok <input type="checkbox"/>	Need top up <input type="checkbox"/>
5.0	Lubrication/Greasing as per maintenance schedule			
5.1.	Stabilizing Unit			
5.1.1.	Stabilizing unit roller	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.1.2.	Stabilizing unit roller clamp housing	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.1.3.	Stabilizing unit guide column	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.1.4.	Rail Clamp pivot pins	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.1.5.	Stabilizing roller guide bush	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.1.6.	Stabilizing roller pulley	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.1.7.	Vibration unit setting device	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.2.	Cardon Shaft:			
5.2.1.	Engine to ZF gearbox	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.2.2.	ZF to Distributor gearbox	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.2.3.	Distributor gearbox to 3rd axle	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.2.4.	Distributor gearbox to Intermediate drive shaft	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.2.5.	Working drive motor to Distribution gear box	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.2.6.	Vibration motor to first vibration unit	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>

S. No.	I t e m s	Agent/Description	Prevailing Condition	
5.2.7.	Between both vibration units	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.3.	Miscellaneous :			
5.3.1.	Torque arm pivot	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.3.2.	Brake linkage & parking brake	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.3.3.	All the pivot joints of trolleys & cylinders	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.3.4.	Axle flange covers	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.3.5.	Engine Radiator fan driving assembly	Grease RR-3 or Equivalent	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.3.6.	Running axle work drive motor	Oil/grease	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
5.3.7.	All Transducers feeler rod bush & contact board	Oil/grease	Done <input type="checkbox"/>	Not Done <input type="checkbox"/>
6.0	ENGINE :			
6.1.	Engine Model & no.: KTA 1150 CUMMINS		Sr no-	
6.2.	Engine hours on date-		Eng.hr.....	
6.3.	Last Over-hauling/Change of the Engine		Date-Overhauled <input type="checkbox"/>	ERH-Change <input type="checkbox"/>
6.4.	Last Over-hauling / Change / of the Alternator done on		Date-Overhauled <input type="checkbox"/>	ERH-Change <input type="checkbox"/>
6.5.	Last Over-hauling / Change/ of the Self Starter done on		Date-Overhauled <input type="checkbox"/>	ERH-Change <input type="checkbox"/>
6.6.	Last Over-hauling/Change of air compressor		Date-Overhauled <input type="checkbox"/>	ERH-Change <input type="checkbox"/>
6.7.	Starting problem		No <input type="checkbox"/>	Required attention <input type="checkbox"/>
6.8.	Condition of smoke		White <input type="checkbox"/> Normal <input type="checkbox"/>	Black <input type="checkbox"/> Grey <input type="checkbox"/>
6.9.	Engine temperature during working after 2 hrs. (Max.80°C)		Actual ----- °C	
			Ok <input type="checkbox"/>	Required attention <input type="checkbox"/>

S. No.	I t e m s	Prevailing Condition	
6.10.	Condition of Engine Hoses	Ok <input type="checkbox"/>	To be Replaced <input type="checkbox"/>
6.11.	RPM of the Engine	Actual--- Ok <input type="checkbox"/>	Rated---2100----- Need attention <input type="checkbox"/>
6.12.	Battery charging circuit	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
6.13.	Engine Oil Pressure a) Min.1.5 kg/cm2 at idle b) Min2.5 kg/cm2 at rated speed	Actual a)----- b)-----	
6.14.	Leakage in Head gasket If any, cylinder no.-----	No <input type="checkbox"/>	Yes <input type="checkbox"/>
6.15.	All V- Belts condition and tension	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
6.16.	Changing of Engine oil (after every 500 hrs.)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
6.17.	Cleaning of Air Cleaner filters outer (2-Nos, Cleaned after every 250 hrs or on dirt indication and change after every 1000 hrs)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
6.18.	Changing of air cleaner inner (1no) (2-Nos, after every 1000 hrs)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
6.19.	Changing of engine oil filters (1no) (2-Nos, after every 500 hrs)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
6.20.	Changing of engine oil by pass filter (1no, after every 500 hrs)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
6.21.	Changing of diesel filters (2 nos) (To be change after every 500 hrs)	Due <input type="checkbox"/>	Not due <input type="checkbox"/>
6.22.	Calibration of Fuel Injectors (Every- 2000 hrs)	Due <input type="checkbox"/>	Not due <input type="checkbox"/>
6.23.	Calibration of fuel injection pump (Every- 2000 hrs)	Due <input type="checkbox"/>	Not due <input type="checkbox"/>
6.24.	Condition of radiator	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
6.25.	Any abnormal sound from engine	No <input type="checkbox"/>	Yes <input type="checkbox"/>
6.26.	Functioning of High temperature safety circuit	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
6.27.	Functioning of Low lube oil pressure safety circuit	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
6.28.	Last attention given by the Service Engineer to engine	Dated Engine hrs	

S. No.	Items	Prevailing Condition	
7.0	Electrical and Electronics		
7.1	Condition of battery terminals	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
7.2	Last change of batteries done on	Dated Engine hrs	
7.3	Electrolyte level in batteries (Plates should be embedded in electrolyte)	Ok <input type="checkbox"/>	Less Need top up <input type="checkbox"/>
7.4	Specific gravity of electrolyte (1240)	Ok <input type="checkbox"/>	Less <input type="checkbox"/>
7.5	Function of signalling equipment (electrical horn, Pn. Horn, lighting, Hooter)	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
7.6	Working of all sensing devices	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
7.7	Safety circuit for Engine & Machine	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
7.8	RPM meter	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
7.9	Engine Oil Pressure meter	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
7.10	Engine Temperature meter	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
7.11	Battery charging meter	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
7.12	Engaging/disengaging indicator of stabilizing unit	Working <input type="checkbox"/>	Not Working <input type="checkbox"/>
7.13	Electrical lights	Working <input type="checkbox"/>	Not Working <input type="checkbox"/>
7.14	Condition of all transducers & pendulums	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
7.15	Requirement of PCB, if any	-----	
7.16	Defective/ Released PCB available with machine	-----	
8.0	Pneumatic		
8.1	All locking devices working properly	Yes <input type="checkbox"/>	Need attention <input type="checkbox"/>
8.2	Condition and clearance of brake shoes 5-7 mm	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
8.3	Functioning of parking brake	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
8.4	Direct acting brake	Ok <input type="checkbox"/>	Defective <input type="checkbox"/>
8.5	Direct acting brake	Ok <input type="checkbox"/>	Defective <input type="checkbox"/>

S. No.	Items	Prevailing Condition	
8.6	Indirect acting brake	Ok <input type="checkbox"/>	Defective <input type="checkbox"/>
8.7	Condition of air unloader	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
8.8	Condition of air dryer	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
8.9	Changing of Granulate cartridge of Air drier pt.no.-432 406 920 2 (at every 2000 hrs.)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
8.10	Condition of air lubricator	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
8.11	Condition of pneumatic hoses	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
8.12	Function of KE valve	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
8.13	Braking system	Satisfactory <input type="checkbox"/>	Not Satisfactory <input type="checkbox"/>
8.14	Air oiler/drier	Working <input type="checkbox"/>	Not Working <input type="checkbox"/>
8.15	Water separator	Working <input type="checkbox"/>	Not Working <input type="checkbox"/>
9.0	Mechanical		
9.1	Functioning of axle engage/disengage cylinder guide rod.	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
9.2	Oil leakage in gear boxes	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
9.3	Condition of brake shoes	Ok <input type="checkbox"/>	To be Replaced <input type="checkbox"/>
9.4	Play in torque arm pivot	Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>
9.5	Condition of machine working tools (Spanner set etc.)	Satisfactory <input type="checkbox"/>	To be replaced <input type="checkbox"/>
9.6	Last change of ZF gear box oil & filter (at every 500hrs)	Dated Engine hrs	
10.0	Hydraulic		
10.1	Any rubbing of hydraulic hoses	No <input type="checkbox"/>	Yes (Location)- <input type="checkbox"/>
10.2	Hoses required to be Changed (no. & sizes)	Number----- <input type="checkbox"/>	Sizes----- <input type="checkbox"/>
10.3	Stock of hoses with fittings on the machine	Adequate <input type="checkbox"/>	Less <input type="checkbox"/>
10.4	Cooling system of hydraulic circuit	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>

S. No.	Items	Prevailing Condition	
10.5	General condition of Hydraulic hoses	Ok <input type="checkbox"/>	Need attention <input type="checkbox"/>
10.6	Leakage of oil from hydraulic circuit	No <input type="checkbox"/>	Yes (Location)- <input type="checkbox"/>
10.7	Changing of Hydraulic suction filter (HY-S 501.460.150- 1no) (immediately replaced when dirt indicator points to the "caution "zone, however after every 500 engine hrs.)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
10.8	Changing of Hydraulic suction filter (HY-S 501.160.P10-1No.) (Immediately replaced when dirt indicator points to the "caution "zone, however after every 250 engine hrs.)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
10.9	Changing of Hydraulic return filter (1no,after every 500 hrs)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
10.10	Changing of Hydraulic tank breather filter (1no) (To be change after every 1000 hrs)	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
10.11	Hydraulic oil temperature after working of machine for 2 hrs. (85°C)	No <input type="checkbox"/>	Yes (Location)- <input type="checkbox"/>
	Hydraulic pressure in bars	Rated	Actual
10.12	System pressure	140	
10.13	Vibrating pressure	350	
10.14	Vertical pressure	40-100	
10.15	Gauge holding pressure	20-30	
10.16	Vibrating frequency for Concrete sleepers	30-33 Hz	
11.0	Miscellaneous		
11.1	Reserve stock of consumable and spare parts.	Available <input type="checkbox"/>	deficient <input type="checkbox"/>
11.2	General cleanliness of the machine	Ok <input type="checkbox"/>	To be cleaned <input type="checkbox"/>
11.3	Machine protection is being done by PWI	Yes <input type="checkbox"/>	No <input type="checkbox"/>
11.4	Post ballast profile	Satisfactory <input type="checkbox"/>	Not Satisfactory <input type="checkbox"/>
11.5	Overall condition of the Machine health	Excellent <input type="checkbox"/> Very good <input type="checkbox"/>	Good <input type="checkbox"/> Average <input type="checkbox"/>
11.6	Overall Machine working performance	Satisfactory <input type="checkbox"/>	Need attention <input type="checkbox"/>

S. No.	I t e m s	Prevailing Condition				
12.0	Under Frame Inspection					
12.1	Under Frame					
12.1.1	Examine the Maggie spring for damages.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.1.2	Check condition of head stock/sole bar of center buffer Coupler	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.2	Bogie frame & Wheels					
12.2.1	Visual Inspection of wheels and under gear for any infringement	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.2.2	Visual and Physical inspection of wheel shall be done at a frequency of once in a year or after every 1000 engine running hours whichever is earlier.	Done	<input type="checkbox"/>	Not done	<input type="checkbox"/>	
12.2.3	Visually inspect all the welding locations.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.2.4	Visually check the suspension brackets.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.3	Brake Rigging					
12.3.1	Visually check the rubbing plates.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.3.2	Examine brake beams breakages/ damages.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.3.3	Inspection of Brake hanger bracket , torque support , cardan shaft hanger brackets for damages	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.4	Draw Gear					
12.4.1	Check condition of the screw coupling or CBC and replace if required.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.4.2	Examine draw hook ,draw bars, rubber pads for damages	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.4.3	Ensure that wear at any section on draw hook should not exceed 10 mm.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.4.4	Ensure that wear on screw coupling shackle pins, trunnion pins, shackle/link holes and draw hook holes should not exceed 3mm.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.4.5	Check condition of draw beam and locking pins on it.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	
12.4.6	Examine visually draft key locking pins.	Ok	<input type="checkbox"/>	To be attended	<input type="checkbox"/>	

S. No.	Items	Prevailing Condition	
12.5	Buffing Gear		
12.5.1	Visually examine the wheel tyre profile and crack with tyre profile gauge as mention in procedure for inspection of wheels (On Track Machines) issued by RDSO report no. TM-170	Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>
12.5.2	Examine for corrosion of sole bar and other under frame member with track tight or inspection lamp.	Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>
12.5.3	Visually examine the buffers casing for cracks/damages.	Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>
12.6	Running Gear and Wheels		
12.6.1	Visually inspect axle box covers.	Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>
12.6.2	Inspect wheel tread for shattered rim, spread rim, shelled tread, thermal cracks, heat checks.	Ok <input type="checkbox"/>	To be attended <input type="checkbox"/>
12.6.3	Ultrasonic testing of axles of machine shall be done between 40,000 to 45,000 kms of running or three years, whichever is earlier.	Done <input type="checkbox"/>	Not done <input type="checkbox"/>
13.0	Any other remarks by Inspecting Officer----- ----- ----- -----		

Signature of Inspecting Officer

Annexure-I

List of Safety Equipments

Sl. no.	Description	Quantity	Available Yes (✓) / No (x)
1	Detonators in a tin case	One box	
2	H.S. flag red	Two nos.	
3	H.S. flag green	One no.	
4	H.S. Tri color Lamps/LED torch	Two nos.	
5	Chain & Pad lock	One set	
6	Switch Clamp with Padlock	2 nos.	
7	20t* jack with traverser	Two nos.	
8	Wooden blocks of different sizes	Four nos.	
9	Rail thermometer (dial type)	1 no.	
10	First aid box	One no.	
11	Patromax	One no.	
12	Crow bars	Two nos.	
13	Walky talky with same frequency of SM, guard and loco pilots	2 nos.	
14	Field telephone	One no.	
15	Skids	Four nos.	
16	Working time table of section where machine working	One no.	
17	G & SR book with up to date amendment slips	One no.	
18	Banner Flag	Two nos.	
19	4 cell flasher light/ LED torch, 6 watt (rechargeable)	1 no.	
20	Safety helmets	For each Machine staff	
21	Protective clothing, safety shoes and safety gloves	For each Machine staff	
22	High visibility warning clothes	For each Machine staff	
23	Track Machine Manual with up to date correction slip	1 no.	
24	Accident Manual	1 no.	
25	Fire extinguisher	2 nos.	
26	Warning Hooter (Manually/ Remote)	One no.	
27	Hydraulic Hand Pump	1 no.	
28	LV board / Tail Lamp	1 no.	
29	Emergency pneumatic/Hydraulic hose off sizes (complete with end fittings)	1 no.	

* Proposal is sent to Railway board vide letter no. TM/HM/1, VOL-2, dt. 22/08/2019 for approval of jack machine wise.

Note- Inspecting official should wear the safety items 20 to 22 while doing the inspection.

ACKNOWLEDGEMENT

Following officers and staff have made their valuable contribution in finalizing the Revision-1 of Checklist for inspection of Dynamic Track Stabilizer Machine (DGS-62N).

Railways:

1. S/Sri Jitendra Kumar Sharma JE/TMC/NR

RDSO:

1. S/Sri Muslim Ahmad SSE/TM
2. " " V.P. Srivastava SSE/TM
3. " " A.K.Srivastava SSE/TM
4. " " D.G.Sharma SSE/TM

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