PERIODIC/PREVENTIVE MAINTENANCE AND INSPECTION OF TD25(250 SERIE

S/No	POINTS FOR ACTION	DAILY/10 HOURS	AFTER 50 HOURS	AFTER 100 HOURS	AFTER HOURS
01	Air cleaner	Check level	--	Change engine oil ++ Drain the oil while the engine is hot. It may be necessary to change the oil after shorter working period under severe operating contions.	
02	Oil filter	--	--	operating contions	
03	Oil cooler	Check for leaks	--	--	
04	(a) Air cleaner	Remove and clean pre air cleaner	Clean dust and air cleaner cartidge . ***	Remove and clean element	
	(b) Flexible rubber connection between air cleaner, turbocharger and intake mnaifold.	--	Aspect for loose fit or damage.	--	
05	Fuel tank	Drain water and sediments.	--	--	
06	Fuel filter	Watch for fuel oil pressure indicator.**	--	--	
07	Radiator and connections	--	Check for leaks and loose connection. Clean radiator core spaces.	--	
08	Fan belt	--	Check for tension. Depressed without efferts by thumb. ½", ¾", -TD9¼", ½" – TD25 Replace if necessary.	--	--
09	Battery	--	Check electrolite level.	Inspect for cracks and corroded terminals.	--

10	Generatorand self stater commutator	--	--	--		
11	Hydraulic oil	Check oil level	--	--		
12	Hydraulic oil filter	--	--	--		
13	Hydraulic pump and drive coupling	Check for leaks at pump and inspect drive coupling for wear and tear.	--	--		
14	Control valve and linkage	Inspect control valve for leaks and efficient action.	Inspect and lubricate linkage.	--		
15	Hydraulic cylinder hoses and fittings	Check for leaks tighten connection and repalce damaged hoses.	--		--	Tighten and clamps
16	Blade assembly	Inspect cutting edges and end bits. Replace these before wear occurs in the mould board. Check cutting edges and end bits nuts and bolts for tightness. Ckean assy daily.	--		--	
17	Upper and lower struts	Inspect lower and upper struts for damage or bent. Inspect arms, pins and sushings for wear and tear.	--		--	
18	C' Frame and trunnion	Inspect 'C' frame for cracks and excesive wear specially at the bottom and side where it is constantly in contact with earthsoil. Tighten trunnion bracket bolts.	--		--	Check f distortio
19	Tracks	Inspect for wear andtear	Check slack ¾" – 1 at Straight edge.		--	
20	Track roolers	Inspect for wear and tear	--		--	
21	Carrier rollers and front idlers	-do-	-	Add Oil		
22	Diagonal brace	Inspect	Add grease	-		Tighten bolts
23	Transmission	-	-		-	
24	Final drive	-	-		-	

25	Steering clutech lever	-	-	-		
26	Steering brake pedals	-	-	-		
27	Engine clutch pedal/handle	-	-	Adjust clutch if necessary		
28	Torque converter (if equiped)	Check for leaks.	-	Check for efficient action		
29	Orifice filter	See note **.	-	Clean filter and vent hole		
30	Fly wheel housing	-	-	-		
31	FIP and Governor	Check for leaks ****	-	-		
32	Hour meter	-	-	Check for officient working		
33	Turbo Charger	-	-	-		
34	Fuel strainer	-	-	-		
35	Crank case breather	-	-	-		Remove repalce necessa
36	Inlet and exhaust valve	-	-	-		
37	Injectors	-	-	-		

38	Cylinder head	-	-	-

Note * Refueling of diesel fuel tank must be done at the end of the day's work as enough time is given for sett
** When the fuel pressure indicator shows the pointer in the red or change filter area with engine runnin
*** If excessive foam is seen in the hydraulic reservoir it may be due to poor quality of oil or too little oil i
**** It may require cleaning more often in dusty operating condition.
***** Do not attempt to adjust the FIP and Governer since it is not a field repair
++ Watch for metal particles or other for mererial in the drained oil report accordingly to the workshop.

Appendix 'B' to HQ DGBR GMI No 66 dated 26 Apr 72 (Para 4 refers)

Srl No	Location	TD -25 (250 Series)						TD-9 (92 series)					
		Interval in Hrs						Interval in Hrs					
		10 Hrs	50 Hrs	100 Hrs	250 Hrs	500 Hrs	1000 Hrs	10 Hrs	50 Hrs	100 Hrs	250 Hrs	500 Hrs	1000 Hrs
01	Front engine support	-	1	-	-	-	-	-	1	-	-	-	-
02	Shifter cross bar (Torque converter only)	-	3	-	-	-	-	-	-	-	-	-	-
03	Engine clutch shaft bearing	-	1	-	-	-	-	-	-	-	-	-	-
04	Engine clutch universal joint	-	1	-	-	-	-	-	-	-	-	-	-
05	Engine clutch pilot bearing	-	1	-	-	-	-	-	1	-	-	-	-
06	Engine clutch cam shaft bearing	-	3	-	-	-	-	-	1	-	-	-	-
07	Engine clutch release bearing and sleeve	-	2	-	-	-	-	-	2	-	-	-	-
08	Engine clutch release shaft bearing	-	2	-	-	-	-	-	-	-	-	-	-
09	Clutch hand lever	-	1	-	-	-	-	-	-	-	-	-	-
10	Engine clutch release shaft bearing (Torque converter only)	-	1	-	-	-	-	-	-	-	-	-	-
11	Engine clutch release bearing (Torque converter only)	1	-	-	-	-	-	-	-	-	-	-	-
12	Torque converter universal joints.	-	2	-	-	-	-	-	-	-	-	-	-
13	Torque converter rear bearing	2	-	-	-	-	-	-	-	-	-	-	-
14	Torque converter input shaft bearing	1	-	-	-	-	-	-	-	-	-	-	-
15	Brake pedal shaft	-	1	-	-	-	-	-	-	-	2	-	-
16	Manual brake operating rod guide	-	1	-	-	-	-	-	-	-	-	-	-
17	Track frame guide roller	-	2	-	-	-	-	-	2	-	-	-	-
18	Track idler (carrier")	-	-	4	-	-	-	-	-	-	-	4	-
19	Track rollers	-	-	-	-	-	12	-	-	-	-	8	-
20	Diagonal drace	-	2	-	-	-	-	-	2	-	-	-	-
21	Track frame pivot ball	-	2	-	-	-	-	-	2	-	-	-	-
22	Front idlers	-	-	2	-	-	-	-	-	-	-	2	-
23	Brake pedal shaft	-	1	-	-	-	-	-	-	-	-	-	-
24	Transmission gear shaft	-	-	-	1	-	-	-	-	-	-	-	-
25	Upper struts	4	-	-	-	-	-	4	-	-	-	-	-
26	Diagonal struts	2	-	-	-	-	-	-	-	-	-	-	-
27	Hydraulic control	5	-	-	-	-	-	2	-	-	-	-	-

28	Universal joint (hydraulic pump PTO)	-	2	-	-	-	-	-	2	-	-	-	-
29	Hydraulic pump pilot flange	1	-	-	-	-	-	-	-	-	-	-	-
30	Gimbal trunnion ring and cross tube	6	-	-	-	-	-	-	-	-	-	-	-
31	Piston rod	2	-	-	-	-	-	-	-	-	-	-	-
32	Rod and bearing	2	-	-	-	-	-	-	-	-	-	-	-
33	Rocker arm and supports	-	-	-	-	-	-	8	-	-	-	-	-
34	Stearing clutch turn buckle eye	-	-	-	-	-	-	-	2	-	-	-	-
35	Steering clutch lever	-	-	-	-	-	-	-	2	-	-	-	-
36	Steering clutch release bushings	-	-	-	-	-	-	-	2	-	-	-	-
37	Steering clutch turn buckle socket	-	-	-	-	-	-	-	2	-	-	-	-