

From:

To:

Sub: Health Condition Report of

M/C for the month of

ENGINE

Present Engine Hours:

S. No.	Description	Condition	Remarks
01.	Engine Make		
02.	Engine Model		
03.	Engine Sl. No.		
04.	Engine Working Hours		
05.	Date of Commissioned Engine		
06.	New/Overhauled/Repaired		
07.	Starting Problem		
08.	Condition of Smoke		
09.	Ma. Temp During Working		
10.	Leakage in Head Gasket		
11.	Electrolyte level in Battery		
12.	Specific Gravity of Battery		
13.	Compressor Working		
14.	Belt Tension		
15.	Condition of Hoses		
16.	Water Seal Pump		
17.	RPM of Engine	Rated: Actual:	
18.	Engine Oil Pressure	Rated: Actual:	
a.	At Idle		
b.	At Rated Speed		
19.	Last Change of Air Cleaner	Date: Ehr:	500 Hr Schedule
20.	Last Change of Engine Oil	Date: Ehr:	300 Hr Schedule
21.	Last Change of Engine Oil Filter	Date: Ehr:	
22.	Last Change of Diesel Filter	Date: Ehr:	
23.	Last Repair/Change of Batteries	Date: Ehr:	
24.	Radiator Fan		
25.	Self Starter		
26.	Last Repair/Change of Self Starter	Date: Ehr:	
27.	Alternator	Date: Ehr:	
28.	Last Repair/Change of Alternator	Date: Ehr:	
29.	Last overhauling of Engine	Date: Ehr:	
30.	Last Calibration of PT Pump	Date: Ehr:	
31.	Last Calibration of Injector	Date: Ehr:	
32.	Last Calibration of Turbocharger	Date: Ehr:	
33.	Last Over Hauling of Radiator	Date: Ehr:	
34.	Engine Temperature Safety Circuit		
35.	Engine Pressure Safety Circuit		
36.	Any Abnormal Sound		
37.	Last Service Engineer Attended	Date: Ehr:	
38.	Last 300 Engine Hour Schedule Attended	Date: Ehr:	
39.	Repairs Attended During This Month	Date: Ehr:	
40.	Whether Working Gauges are in order		
a.	RPM		
b.	Oil Pressure		
c.	Temperature		
d.	Battery Charging		
41.	Last Diesel Tank Cleaned	Date: Ehr:	
42..	Last Hydraulic Oil Tank Cleaned	Date: Ehr:	

Signature of M/C-In-charge

TAMPING BANK

Last Change of Tamping Bank		
Date:	Engine Hours:	Km Worked so far:
Consumption of Servo 100:	Condition of T/Arm:	
No. of Tamping Tools Holding:		
Last date replaced/repairs attended T/Unit Up/Down cylinder:	RH:	LH:
Condition of Tamping Unit Up/Down Cylinders(RH & LH):		
Last Replaced/Repaired Vibration Clutch Coupling:	Date:	Condition:
Condition of Hydraulic Proportional Solenoids:		
Details of Hydraulic Leakages of Tamping Bank:		
Assistance Required/Works to be attended if any:		

LIFTING/LINING UNIT

Last Change of Lifting Unit:		
Date:	Engine Hours:	Km Worked so far:
Condition of Lifting Yokes:		
Condition of Lifting Rollers:		
Condition of Lifting Cylinder's Seals & its yokes:		
Condition of Lining Rollers:		
Condition of Lining Cylinder's Seals & its yokes:		
Condition of Lifting/Lining Transducers:		
Assistance Required/Works to be attended if any:		

GEAR BOXES & CARDON SHAFTS

Condition of ZF Gear Box:	
Condition of Work Drive Reduction Gear Box:	
Condition of Distribution Gear Box:	
Condition of Intermediate Gear Box:	
Condition of Axle Gear Box-I:	
Condition of Axle Gear Box-II:	
Condition of Cordon Shafts & Last Replacement Shaft if any:	
Assistance Required/Works to be attended if any:	

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MECHANICAL

Assistance Required/Works to be attended if any:

HYDRAULICS

Condition of Hydraulic Pump:				
Condition of Hydraulic Motors				
Condition of Hydraulic Cylinders:				
Condition of Hydraulic Solenoids:				
Condition of Hydraulic Valves:				
Any Replacement of Pumps/Motors/Solenoids/Valve/Cylinders in this Month. Details:				
S. No.	Item	Date	E. Hrs.	Worked So Far
Assistance Required/Works to be attended if any:				

ELECTRICAL/ELECTRONICS

Last Replaced PCB:	Date:	E. Hrs.
Condition of Cable & Bypassed Item:		
Condition of Head Light & Working Lights:		
Assistance Required/Works to be attended if any:		

PNEUMATICS

Condition of Pneumatic Hoses:	
Condition of Brake Power:	
Condition of Pneumatic Valve/Cylinders:	
Assistance Required/Works to be attended if any:	

Signature of M/C-In-charge

LIST OF SAFETY ITEMS in the Machine (As per TMM 4.4)

S. No.	Description	Quantity	Available	Shortage
01.	Red Hand Signal	02		
02.	Green Hand Signal	02		
03.	Tricolor Hand Signal	02		
04.	Chain with Padlock	02		
05.	Clamp with Padlock	02		
06.	Fog Signals, Mfd Year:	01 Tin		
07.	WTT	01		
08.	G & SR Manual	01		
09.	Flasher Light	01		
10.	Portal Field Telephone	01		
11.	Banner Flag	02		
12.	First Aid Box	01		
13.	Skids	02		
14.	Petromax/LPG Lamps	01		
15.	Safety Helmets	01 each		
16.	Protective Cloths, Safety Shoes, Safety Gloves	01 each		
17.	Track Machine Manual	01		
18.	Accident Manual	01		

List of Spares Required for Next Coming Months

S. No.	Description	Part Number	Required	Remarks

List of Employees Medical/Competency/Refresher Course Date:

S. No.	Name	Desig	PME	Competency	Refresher

Signature of M/C-In-charge

SOUTH CENTRAL RAILWAY

INSPECTION REPORT OF BRAKE SYSTEM OF TRACK MACHINE				
MACHINE	INSPECTED BY	DATE	DIVISION	STATION
Air Brake				
S. No.	Inspection	Deficiency	Action	
01.	Check Oil Level in Compressor Crank Case and temp			
02.	Check Air Unloader, Safety Valve, Air Lubricator, Water Trap for Leakages			
03.	Inspect for Leakages in Hose Connection, Compressors & Drain Valves of Reserviors			
04.	Inspect Cooling Coil for Clogging and Clean, as required			
05.	Check function of Air Unloader and Set Pressure to 7.3kf/cm ²			
06.	Check Safety Valve Functioning at 8kg/cm ²			
07.	Check Piping, Visually Inspect Hoses for Damage, if required			
08.	Check Functioning of Sequence Valve			
09.	Check Condition of Brake Liner and Change, if required			
10.	Check Gap between Wheel and Brake Liner in both Brake Applied and Released Condition. Adjust as required			
11.	Check for Leakages from Air Brake Cylinders and Attend, if required			
Emergency Brake (where provided)				
01.	Charge Emergency Reservoir for Required Air Pressure			
02.	Apply Emergency Brake and Monitor Pressure Applied in Brake Cylinder			
03.	Release Brake Pressure from KE valve and Check Functioning			
04.	Destroy Air Pressure in Main Reservoir and Ensure the Brakes are Applied Automatically when Main Reservoir Pressure Drops below 3.4kg/cm ²			
Parking Brakes				
01.	Check for Proper Functioning and Adjust, if Required			
02.	Lubricate Both Sets of Crown Wheel and Brake Adjusting Spindle			

Signature of M/C-In-charge

SSE-In-charge of Division