



भारत सरकार GOVERNMENT OF INDIA  
रेल मंत्रालय MINISTRY OF RAILWAYS  
(रेलवे बोर्ड RAILWAY BOARD)

संख्या 2004/एम(एल)/466/3501

नई दिल्ली, दिनांक: 26.02.2018

महाप्रबन्धक,  
डीजल रेल इंजन कारखाना,  
वाराणसी।

मुख्य प्रशासनिक अधिकारी,  
डीजल इंजन आधुनिकीकरण कारखाना,  
पटियाला।

मुख्य यंत्रिक अभियंता,

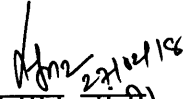
मध्य रेलवे, मुम्बई।  
पश्चिम रेलवे, चेन्नई।  
दक्षिण पूर्व रेलवे, कोलकाता।

उत्तर रेलवे, नई दिल्ली।  
उत्तर पश्चिम रेलवे, जयपुर।  
पूर्व रेलवे, कोलकाता।

विषय: डीजल लोकोमोटिव की 180 दिनों के अन्दर विफलता  
पुनःनिर्मित/नवनिर्मित.

अक्टूबर से दिसम्बर 2017 की तिमाही के दौरान आवधिक ओवरहॉलिंग में पुनःनिर्मित/नवनिर्मित डीजल इंजनों की विश्वसनियता रिपोर्ट पूर्णतः विवरण के साथ संलग्न है। यह रिपोर्ट सभी रेलवे से प्राप्त मासिक पी सी डी ओ पर आधारित है।

उत्पादन इकाईयों/कार्यशालाओं से अनुरोध है कि वे सुधारात्मक कार्यवाही करें।

  
(सुमन कुमार ताती)  
निदेशक यंत्रिक अभियंता (कर्षण)  
रेलवे बोर्ड

प्रतिलिपि: मुख्य यंत्रिक अभियंता,

पूर्व मध्य रेलवे, हाजीपुर।  
उत्तर मध्य रेलवे, इलाहाबाद।  
पूर्वोत्तर सीमांत रेलवे, गुवाहाटी।  
दक्षिण पूर्व मध्य रेलवे, बिलासपुर।  
पश्चिम रेलवे, मुम्बई।

पूर्व तट रेलवे, भुवनेश्वर।  
पूर्वोत्तर रेलवे, गोरखपुर।  
दक्षिण मध्य रेलवे, सिकन्दराबाद।  
दक्षिण पश्चिम रेलवे, हुबली।  
पश्चिम मध्य रेलवे, जबलपुर।

**Diesel loco failures on WS & PU account (within 180 days)**  
**Oct-Dec'17 IVth Quarter**

Source -PCDOs

**Rly Wise**

S.No.	Railway	DLW Failure	DMW Failure	Work Shop Failure							Total failures
				CB	PR	GOC	JMP	KGP	All	Total	
1	CR	0	0	0	0	0	0	0	0	0	0
2	ER	0	0	0	0	0	1	0	0	1	1
3	ECR	0	0	0	0	0	0	0	0	0	0
4	ECoR	3	1	0	0	0	0	0	0	0	4
5	NR	2	0	3	0	0	0	0	0	3	5
6	NCR	1	0	2	0	0	0	0	0	2	3
7	NER	0	0	2	0	0	0	0	0	2	2
8	NFR	0	2	0	0	0	0	4	0	4	6
9	NWR	1	3	0	0	0	0	0	2	2	6
10	SR	3	0	0	0	0	0	0	0	0	3
11	SCR	1	0	0	0	1	0	0	0	1	2
12	SER	1	0	0	0	0	0	0	0	0	1
13	SECR	4	0	0	0	2	0	0	0	2	6
14	SWR	2	0	0	0	0	0	0	0	0	2
15	WR	0	1	0	1	1	0	0	0	2	3
16	WCR	4	0	0	1	0	0	0	5	6	10
<b>IR</b>		<b>22</b>	<b>7</b>	<b>7</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>25</b>	<b>54</b>

**Diesel loco failures on WS & PU account (within 180 days)**

**Oct-Dec'17 IVth Quarter**

Source -PCDOs

**System Wise**

System	DLW Failure	DMW Failure	Work Shop Failure							Total failures
			CB	PR	GOC	JMP	KGP	All	Total	
Power pack & its components	5	1	1	0	0	0	1	0	2	8
% of total failures	22.7	14.3	14.3	0.0	0.0	0.0	0.0	0.0	8.0	14.8
Lube oil system	1	0	2	0	0	0	0	1	3	4
% of total failures	4.5	0.0	28.6	0.0	0.0	0.0	0.0	0.0	12.0	7.4
Fuel oil system	4	0	0	0	1	0	0	0	1	5
% of total failures	18.2	0.0	0.0	0.0	25.0	0.0	0.0	0.0	4.0	9.3
Water cooling system	3	0	1	0	1	0	0	2	4	7
% of total failures	13.64	0	14.3	0	25	0	0	28.6	16.0	13.0
Air brake system	3	1	0	0	1	0	0	0	1	5
% of total failures	13.6	14.3	0.0	0.0	25.0	0.0	0.0	0.0	4.0	9.3
Under gears	0	0	0	0	0	0	0	0	0	0
% of total failures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Governor	1	0	0	0	0	1	0	0	1	2
% of total failures	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.7
Electrcal controls	0	0	1	1	0	0	1	0	3	3
% of total failures	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	12.0	5.6
Contractors/Relays/ Switches/ CBS	0	0	0	0	0	0	2	0	2	2
% of total failures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	3.7
Wiring/cables	0	2	1	0	0	0	0	0	1	3
% of total failures	0.0	28.6	14.3	0.0	0.0	0.0	0.0	0.0	4.0	5.6
Traction motors	1	1	0	0	0	0	0	2	2	4
% of total failures	4.5	14.3	0.0	0.0	0.0	0.0	0.0	0.0	8.0	7.4
Traction Generators	2	0	0	0	0	0	0	0	0	2
% of total failures	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
Aux. Mechanical	0	1	1	0	0	0	0	1	2	3
% of total failures	0.0	14.3	14.3	0.0	0.0	0.0	0.0	0.0	8.0	5.6
Aux. Electrical	2	1	0	0	0	0	0	0	0	3
% of total failures	9.1	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
Misc.	0	0	0	1	1	0	0	1	3	3
% of total failures	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	12.0	5.6
<b>Total failures</b>	<b>22</b>	<b>7</b>	<b>7</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>25</b>	<b>54</b>

Detail of Causewise failure analysis of WS & PU acct with in 180 Days (October 2017)								
S.No	Rly's	Loco No.	System	Acct.	Details			
1	ER	70687	8	JMP	PG Governor DV solenoid surge diode short.			
2	ECOR	70685	3	DLW	FPM not working.			
3	ECOR	14504	6	DMW	L/S TSC outlet flexible pipe found damaged.			
4	ECOR	70707	3	DLW	F.O. strainer inlet steel pipe check nut loose.			
5	NC	40459	5	DLW	MR headr to test valve Copper pipe found broken.			
6	NF	14856	5	DMW	Air leakage fan VCD isolating cock.			
7	NF	14841	A	KGP	Repeated power ground.			
8	NW	14014	E	DMW	Nose pad pins of TM no. 5 dropped.			
9	NW	16818	F	DMW	GR trouble due to LCS wires short.			
10	NW	16842	F	DMW	MPCB tripped.			
11	SR	40448	2	DLW	Dressor joint bolt broken.			
12	SR	40481	4	DLW	Pipe wrong alignment.			
13	SR	40463	1	DLW	Piston seized.			
14	WC	13585	E	All	TM 4 isolated due to smoke bearing seized.			
15	WC	40250	1	DLW	ESD with communication failure between LCC & CCB.			
16	WC	40420	E	DLW	Power ground trouble repeatedly.			
17	WC	13542	4	All	Internal water leakage.			
18	WC	13153	M	All	Load meter zero.			
19	WC	13586	E	All	Smoke from TM gear case no. 5.			
20	WR	13516	A	PR	Power circuit open due to fuses blown.			
21	WR	14717	I	DMW	L-2 casmshaft slightly worn out.			
<b>DLW</b>	<b>DMW</b>	<b>CB</b>	<b>PR</b>	<b>GOC</b>	<b>JMP</b>	<b>KGP</b>	<b>All</b>	<b>Total</b>
8	6	0	1	0	1	1	4	21

Details of Causewise failure analysis of WS & PU account (with in 180 Days)								
(November 2017)								
S.No	Rly's	Loco No.	System	Acct.	Details			
1	ECOR	70715	C	DLW	Auxiliary generator drive shaft broken.			
2	NR	16273	F	CB	Wrong connection of wire no. 52.			
3	NR	40472	C	DLW	No. 4 diode of rectifier short.			
4	NR	16503	6	CB	Compressor inter cooler safety valve worn out.			
5	NF	16640	1	KGP	R-4 cylinder liner changed due to liner collar portion crack.			
6	NF	13006	B	KGP	Lube oil pressure sensor faulty.			
7	NW	70697	D	DLW	L/S rectifier bank burnt.			
8	NW	18695	4	All	Due to improper welding radiator fan damaged.			
9	SECR	70734	1	DLW	TSC damaged.			
10	SECR	70733	D	DLW	Traction alternator CA filed resistance open.			
11	SECR	13565	3	DLW	Fuel oil cross flexible pipe broken.			
12	SECR	70757	1	DLW	TSC gear broken.			
13	SW	40453	5	DLW	Malfunctioning of emergency valve.			
14	WC	11320	M	PR	Load meter dropped to zero.			
15	WR	16790	M	GOC	L/H side horn magnet valve coil open.			
<b>DLW</b>	<b>DMW</b>	<b>CB</b>	<b>PR</b>	<b>GOC</b>	<b>JMP</b>	<b>KGP</b>	<b>All</b>	<b>Total</b>
8	0	2	1	1	0	2	1	15

Details of Causewise failure analysis of WS & PU account (with in180 Days)								
(December 2017)								
S.No	Rly's	Loco No.	System	Acct.	Details			
1	NR	40471	5	DLW	Electronic Air brake controller defective.			
2	NR	13416	2	CB	Lube oil indication copper gauge pipe worked out.			
3	NC	11263	A	CB	Fuel rack jam & Engine shut down.			
4	NC	18979	2	CB	Wing nut of filter drum cover broken.			
5	NE	14111	4	CB	Water leakage from 1L water riser.			
6	NE	16329	1	CB	R/S cam gear found broken.			
7	NF	13010	B	KGP	CK1 plate broken & fall down.			
8	NF	14845	C	DMW	Lube oil throwing from CCEM.			
9	NW	18695	2	All	L.O. drained due to breaking of one bolt LO filter housing.			
10	SC	11338	5	GOC	MR pressure dropped.			
11	SC	70723	4	DLW	Water drained through drain pipe.			
12	SE	70746	8	DLW	Resistance of solenoid coil of governor found zero.			
13	SECR	13595	3	GOC	Fuel pump motor love joy coupler broken.			
14	SECR	13594	4	GOC	Water leakage from R/S radiator to Lube oil cooler joint.			
15	SW	40523	3	DLW	Seizure of plunger in injector barrel.			
16	WC	40061	4	DLW	Water pump bearing failed.			
17	WC	70155	1	DLW	Power assembly no. 16 piston crown damaged.			
18	WC	14930	6	All	Excitor bearing jam.			
<b>DLW</b>	<b>DMW</b>	<b>CB</b>	<b>PR</b>	<b>GOC</b>	<b>JMP</b>	<b>KGP</b>	<b>All</b>	<b>Total</b>
6	1	5	0	3	0	1	2	18