

भारत सरकार
रेल मंत्रालय
(रेलवे बोर्ड)

संख्या 2004/एम(एल)/466/3501

नई दिल्ली, दिनांक: 30.11.2017

महाप्रबन्धक,
डीजल रेल इंजन कारखाना,
वाराणसी।

मुख्य प्रशासनिक अधिकारी,
डीजल इंजन आधुनिकीकरण कारखाना,
पटियाला।

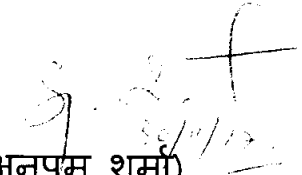
मुख्य यांत्रिक अभियंता,
मध्य रेलवे, मुम्बई।
पश्चिम रेलवे, चेन्नई।
दक्षिण पूर्व रेलवे, कोलकाता।

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

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

जुलाई से सितम्बर 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।


(अनुपम शर्मा)

कार्य. निदेशक यांत्रिक अभियंता (कर्षण)
रेलवे बोर्ड

प्रतिलिपि: मुख्य यांत्रिक 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)
Jul-Sept'17 Illrd 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	1	0	0	2	0	0	0	0	2	3
2	ER	3	0	0	0	0	0	0	0	0	3
3	ECR	0	0	0	0	0	0	0	0	0	0
4	ECoR	1	0	0	0	0	0	0	0	0	1
5	NR	1	1	0	0	0	0	0	0	0	2
6	NCR	4	0	2	0	0	0	0	0	2	6
7	NER	4	1	1	0	0	0	0	0	1	6
8	NFR	3	3	0	0	0	0	3	1	4	10
9	NWR	2	0	0	0	0	0	0	0	0	2
10	SR	0	0	0	0	0	0	0	0	0	0
11	SCR	6	0	0	0	1	0	0	0	1	7
12	SER	0	0	0	0	0	0	0	0	0	0
13	SECR	2	0	0	0	0	0	0	0	0	2
14	SWR	1	0	0	0	0	0	0	0	0	1
15	WR	1	0	0	0	1	0	0	0	1	2
16	WCR	2	0	0	0	0	0	0	2	2	4
IR		31	5	3	2	2	0	3	3	13	49

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

Jul-Sept'17 Illrd 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	6	0	0	0	1	0	0	0	1	7
% of total failures	19.4	0.0	0.0	0.0	50.0	0.0	0.0	0.0	7.7	14.3
Lube oil system	2	1	0	0	0	0	0	1	1	4
% of total failures	6.5	20.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	8.2
Fuel oil system	0	3	0	0	0	0	0	0	0	3
% of total failures	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1
Water cooling system	2	1	1	0	0	0	0	0	1	4
% of total failures	6.452	20	33.3	0.0	0	0	0	0	7.7	8.2
Air brake system	4	0	0	0	0	0	2	0	2	6
% of total failures	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	12.2
Under gears	0	0	0	0	0	0	1	0	1	1
% of total failures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	2.0
Governor	2	0	0	0	0	0	0	0	0	2
% of total failures	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
Electrical controls	6	0	1	0	0	0	0	1	2	8
% of total failures	19.4	0.0	33.3	0.0	0.0	0.0	0.0	0.0	15.4	16.3
Contractors/Relays/ Switches/ CBS	3	0	1	0	0	0	0	0	1	4
% of total failures	9.7	0.0	33.3	0.0	0.0	0.0	0.0	0.0	7.7	8.2
Wiring/cables	1	0	0	0	0	0	0	0	0	1
% of total failures	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
Traction motors	0	0	0	1	0	0	0	1	2	2
% of total failures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	4.1
Traction Generators	0	0	0	1	1	0	0	0	2	2
% of total failures	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	15.4	4.1
Aux. Mechanical	2	0	0	0	0	0	0	0	0	2
% of total failures	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
Aux. Electrical	1	0	0	0	0	0	0	0	0	1
% of total failures	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
Misc.	2	0	0	0	0	0	0	0	0	2
% of total failures	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
Total failures	31	5	3	2	2	0	3	3	13	49

Detail of Causewise failure analysis of WS & PU acct with in 180 Days

(July 2017)

S.No	Rly's	Loco No.	System	Acct.	Details				
1	CR	11347	D	PR	One busbar connection bolt broken causing power ground.				
2	ER	70643	6	DLW	Leakage of Exhaust gas from screen assembly.				
3	ECOR	70694	2	DLW	Lube oil leakage from Hot oil detector.				
4	NR	15005	3	DMW	Fuel tank suction pipe design defective.				
5	NC	40459	A	DLW	Frequency control feedback card found defective.				
6	NC	40460	B	DLW	Three pole AC contactor of TCC-2 not picking up.				
7	NE	14060	A	CB	MLSD card not working.				
8	NE	40421	1	DLW	Power assembly no. 3 seized.				
9	NE	70651	5	DLW	Air leakage from BCCP valve.				
10	NF	13006	7	KGP	Wheel no. 3 axle locked.				
11	NF	14844	3	DMW	FOP zero from 6th notch onwards.				
12	NF	16578	5	KGP	Air leakage from MAR drain cock.				
13	NW	70698	B	DLW	BPU sensor defective.				
14	NW	40474	M	DLW	System problem of EMD recycle.				
15	SC	70680	A	DLW	Load meter not responding.				
16	SC	70367	6	DLW	Heavy lube oil discharge from turbo exhaust.				
17	SC	18822	D	GOC	TA insulation (IR) values found zero.				
18	SW	40434	1	DLW	Water leakage from Y-header engine to radiator core.				
19	WC	16412	E	All	Metal pieces found in TM-3 brush holder.				
DLW	DMW	CB	PR	GOC	JMP	KGP	All	Total	
11	2	1	1	1	0	2	1	19	

Details of Causewise failure analysis of WS & PU account (with in 180 Days)								
(August 2017)								
S.No	Rly's	Loco No.	System	Acct.	Details			
1	CR	40424	F	DLW	Governor harness wiring was damaged in armour pipe.			
2	CR	16049	E	PR	Commutator badly damaged due to foreign body found fallen.			
3	ER	70687	4	DLW	Water leakage from left bank water pump tell tale hole.			
4	NC	40457	A	DLW	Bad fastening of coupler inside TCC#2.			
5	NC	40408	1	DLW	Water leakage from power assembly no. 15.			
6	NE	70646	1	DLW	Water was coming in Engine sump due to assly. no. 5 cracked.			
7	NE	16748	3	DMW	Fuel oil relief & regulating valves found defective.			
8	NE	70652	A	DLW	GFD contactor in ECC-1 found defective.			
9	NF	14842	2	DMW	LO throwing from delievery pipe joint.			
10	NF	14844	4	DMW	Water leakage from Turbo joint.			
11	NF	16494	5	KGP	Feed pipe pressure not build up more than 1.2 kg/cm ² .			
12	SC	70700	5	DLW	ERCP malfunction because of trapped excess pressure in CCB system.			
13	SC	70712	1	DLW	Power assembly defective.			
14	SECR	70729	4	DLW	Water tank vent pipe Y joint near radiator to Cab-II seperator pipe punctured.			
15	WC	70717	2	DLW	ESD with low lube oil indication & EPD operated.			
16	WR	13476	1	GOC	Cylinder liner collar cracked near R-5 location.			
DLW	DMW	CB	PR	GOC	JMP	KGP	All	Total
10	3	0	1	1	0	1	0	16

Details of Causewise failure analysis of WS & PU account (with in180 Days)								
(September 2017)								
S.No	Rly's	Loco No.	System	Acct.	Details			
1	ER	40428	C	DLW	Brake chopper resistor unit was found ground.			
2	NR	40470	8	DLW	W governor B-solenoid malfunctioned.			
3	NC	11289	B	CB	Master controller switch found defective.			
4	NC	11284	4	CB	Water leakage was found from L-2 water riser pipe.			
5	NF	40475	5	DLW	FP angle cock broken.			
6	NF	70701	1	DLW	Cylinder liner no. 14 cracked & power assly. no. 15 seized.			
7	NF	18657	2	All	Alco cell lube oil inlet pipe's cracked from welding of flange.			
8	NF	40474	M	DLW	Loco shut down again & again.			
9	SC	70680	A	DLW	EMD display getting blank. MR & BP dropped.			
10	SC	70680	A	DLW	Penalty experienced & BP dropped.			
11	SECR	70706	B	DLW	TCC-2 'W' phase current sensor defective.			
12	WC	70714	5	DLW	No. 11 injector jam resulted left fuel bank all rack jam.			
13	WC	16224	A	All	PDR going wire no. 36 & 4 grounded.			
14	WR	40468	8	DLW	WW governor amphenol wire cut due to rubbing with elbow.			
DLW	DMW	CB	PR	GOC	JMP	KGP	All	Total
10	0	2	0	0	0	0	2	14