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

संख्या 2004/एम(एल)/466/3501 नई दिल्ली, दिनांक: 05.09.2018

महाप्रबन्धक,
डीजल रेल इंजन कारखाना,
वाराणसी।

मुख्य प्रशासनिक अधिकारी,
डीजल इंजन आधुनिकीकरण कारखाना,
पटियाला।

प्रधान मुख्य विधुत अभियंता,

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

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

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

अप्रैल से जून 2018 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।

05/09/18

(सुमन कुमार तांती)
निदेशक यॉंत्रिक अभियंता (कर्षण)
रेलवे बोर्ड

प्रतिलिपि: प्रधान मुख्य विधुत अभियंता,

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

पूर्व तट रेलवे, भुबनेश्वर।
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)
Apr- Jun 18 IInd Quarter

Source -PCDOs

Rly Wise

S.No.	Railway	DLW Failure	DMW Failure	Work Shop Failure							Total failures
				CB	PR	GOC	JMP	KGP	AII	Total	
1	CR	0	0	0	1	0	0	0	0	1	1
2	ER	1	1	0	0	0	3	0	0	3	5
3	ECR	0	0	0	0	0	0	0	0	0	0
4	ECoR	4	1	0	0	0	0	1	0	1	6
5	NR	8	0	0	0	0	0	0	0	0	8
6	NCR	0	0	0	2	0	0	0	0	2	2
7	NER	0	0	1	0	0	0	0	0	1	1
8	NFR	0	1	0	0	0	0	1	0	1	2
9	NWR	5	2	0	0	0	0	0	3	3	10
10	SR	0	0	0	0	0	0	0	0	0	0
11	SCR	0	0	0	0	0	0	0	0	0	0
12	SER	0	0	0	0	0	0	3	0	3	3
13	SECR	1	0	0	0	0	0	0	0	0	1
14	SWR	4	0	0	0	0	0	0	0	0	4
15	WR	1	3	0	0	3	0	0	0	3	7
16	WCR	6	1	0	2	0	0	0	0	2	9
IR		**30**	**9**	**1**	**5**	**3**	**3**	**5**	**3**	**20**	**59**

Diesel loco failures on WS & PU account (within 180 days)
Apr- Jun 18 IInd 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	11	4	0	0	1	0	1	1	3	18
% of total failures	36.7	44.4	0.0	0.0	33.3	0.0	0.0	33.3	15.0	30.5
Lube oil system	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	10.0	3.4
Fuel oil system	1	1	0	0	0	0	1	0	1	3
% of total failures	3.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.1
Water cooling system	3	0	1	1	1	0	1	0	4	7
% of total failures	10	0	100	20	33.3	0	20	0	20.0	11.9
Air brake system	3	0	0	0	0	0	0	0	0	3
% of total failures	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
Under gears	0	0	0	0	0	0	0	1	1	1
% of total failures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.7
Governor	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
Electrcal controls	2	4	0	1	0	1	0	0	2	8
% of total failures	6.7	44.4	0.0	0.0	0.0	0.0	0.0	0.0	10.0	13.6
Contractors/Relays/ Switches/ CBS	3	0	0	1	0	0	0	0	1	4
% of total failures	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.8
Wiring/cables	1	0	0	1	0	0	0	0	1	2
% of total failures	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.4
Traction motors	0	0	0	0	1	0	0	1	2	2
% of total failures	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	10.0	3.4
Traction Generators	3	0	0	0	0	0	0	0	0	3
% of total failures	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
Aux. Mechanical	3	0	0	1	0	0	0	0	1	4
% of total failures	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.8
Aux. Electrical	0	0	0	0	0	1	0	0	1	1
% of total failures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.7
Misc.	0	0	0	0	0	1	0	0	1	1
% of total failures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.7
Total failures	**30**	**9**	**1**	**5**	**3**	**3**	**5**	**3**	**20**	**59**

Detail of Causewise failure analysis of WS & PU acct with in 180 Days (April 2018)								
S.No	**Rly's**	**Loco No.**	**System**	**Acct.**	**Details**			
1	ER	14896	A	DMW	MEGCC, MEGIP & MEGMC card of MCBG defective.			
2	ER	13606	C	JMP	Cell no. 1 & 2 Internal short circuited in Battery no. 3.			
3	ER	70643	6	DLW	TSC carrier planet gears & sun gears set badly damaged.			
4	ECOR	13632	2	KGP	CCEM not working due to no output from invertor.			
5	NC	16362	4	PR	Water leakage due to defective cap.			
6	NC	16226	F	PR	Rectifier fuse blown in MEP.			
7	NE	14116	4	CB	Water leakage from pressure sensor Cu pipe of water pump.			
8	NF	16494	1	KGP	Right side cam gear 8 nos. teeth broken.			
9	NF	14914	1	DMW	R-1 cylinder bottom water jumper pipe burst.			
10	NW	16610	7	All	Axle bearing of wheel no. 5, L/S axle box damaged.			
11	NW	70781	F	DLW	Wire no. 10311 worked out at R11 resistance terminal in TCC-2.			
12	NW	70767	1	DLW	Location no. 5, PA seized due to liner crack.			
13	SE	13554	3	KGP	3L & 8R FIP base broken.			
14	SW	40519	1	DLW	PA no. 16 failed due to cylinder liner cracked.			
15	WC	40532	1	DLW	PPA no. 15 damaged as its liner broken.			
16	WC	14648	A	DMW	CKC tips spring broken.			
17	WC	40539	4	DLW	PPA no. 6 damaged as its liner broken.			
18	WC	70823	1	DLW	Negative side cable burnt due to over heating of CA.			
19	WR	14722	1	DMW	Loco failed due to heavy black smoke Emission.			
20	WR	16829	4	GOC	Water leakage from dressor rubber.			
21	WR	13473	E	GOC	Improper fitment of pinion causing TM-1 damaged.			
DLW	**DMW**	**CB**	**PR**	**GOC**	**JMP**	**KGP**	**All**	**Total**
7	4	1	2	2	1	3	1	**21**

Details of Causewise failure analysis of WS & PU account (with in 180 Days) (May 2018)					
S.No	Rly's	Loco No.	System	Acct.	Details
1	CR	11356	B	PR	Load Meter Zero as VCD applied automatically.
2	ER	13606	A	JMP	Flashing marks found due to loose fitting of Power rectifier & bus bar.
3	ECOR	70792	A	DLW	SCR assembly found defective, fitted by M/s Medha.
4	ECOR	14524	1	DMW	Stiffer unit cam section bolts broken.
5	NR	70819	3	DLW	MUI of location no. 14 found defective.
6	NR	70487	D	DLW	TA field to field connection strip loose.
7	NR	40515	1	DLW	PA-12 piston broken.
8	NR	70774	5	DLW	Electronic brake valve defective.
9	NR	40515	1	DLW	PA-4 piston broken.
10	NW	18908	1	All	TSC damaged.
11	NW	70780	1	DLW	Lcation no. 7 PA seized & liner cracked.
12	NW	70779	1	DLW	12 no. location, MUI injector's element seized.
13	NW	70776	B	DLW	Contactor of radiator fan malfunctioned.
14	NW	16827	3	DMW	Ferrule of fuel suction pipe worked out.
15	SE	16437	2	KGP	Lube oil leakage from oil catcher & after cooler housing.
16	SW	40531	D	DLW	LM motor not responding.
17	SW	40517	4	DLW	Water leakage from after cooler bottom water pipe.
18	WC	40539	1	DLW	Power assembly no. 14 Inlet side liner crack.
19	WC	70822	5	DLW	HP inlet valve Copper washer broken.
20	WC	11305	6	PR	R/S TSC outlet flexible pipe burst.
21	WC	40539	1	DLW	Piston liner badly damaged causing EPD to operate.
22	WR	40548	D	DLW	TA stator trip side winding burnt.

DLW	DMW	CB	PR	GOC	JMP	KGP	All	Total
15	2	0	2	0	1	1	1	22

Details of Causewise failure analysis of WS & PU account (with in180 Days) (June 2018)								
S.No	**Rly's**	**Loco No.**	**System**	**Acct.**	**Details**			
1	ER	16324	M	JMP	Shortage of water causing LWS to operate.			
2	ECOR	70834	6	DLW	Aux. drive shaft coupling hub broken.			
3	ECOR	70807	6	DLW	Unusual sound coming from TSC.			
4	ECOR	70829	5	DLW	Air leaking from NB Double-1 valve, BP dropped.			
5	NR	70782	B	DLW	DC L1 Contactor defective.			
6	NR	70786	1	DLW	PA-3 liner cracked & piston seized.			
7	NR	40559	4	DLW	Radiator outlet pipe dressor joint leaked.			
8	NW	14016	1	DMW	OSTA, plunger spring retaining lock nut worked out.			
9	NW	16563	E	All	TM No. 1, GR operatd due to voltage leakage.			
10	SE	16286	4	KGP	Water leakage fo water pump tell tale hole.			
11	SECR	70826	B	DLW	Module PRG 301 defective.			
12	SW	40547	A	DLW	Piston damaged in PA.			
13	WC	11308	A	PR	ESD without indication & governor plunger out.			
14	WR	16829	1	GOC	LWS operated causing ESD.			
15	WR	14072	A	DMW	APU magnet valve got stuck causing fuel supply to APU.			
16	WR	14092	A	DMW	Power ground fault logged.			
DLW	**DMW**	**CB**	**PR**	**GOC**	**JMP**	**KGP**	**All**	**Total**
8	3	0	1	1	1	1	1	**16**