

(F5RPT)

FAILURE DATA

Item	PRODUCT NO.	PORT R/P	DATE	ENV	PORT	DESC.	FORM NO.	PROD. DESC.	AGE	FAILURE	
01	1	01	83/06/29	OP	PIN		018	A	US	BR	
01	1	01	83/07/07	OP	PIN		025	A	US	BR	
											PRODUCT TOTAL 2
01	2	01	83/07/04	OP	PIN		044	A	US	BR	
01	2	01	83/07/13	OP	PIN		060	A	US	BR	
											PRODUCT TOTAL 2
01	3	01	83/07/01	OP	PIN		090	A	US	BR	
01	3	01	83/07/06	OP	PIN		094	A	US	BR	
01	3	01	83/07/09	OP	PIN		105	A	US	BR	
01	3	01	83/07/10	OP	PIN		107	A	US	BR	
01	3	01	83/07/10	OP	PIN		108	A	US	BR	
											PRODUCT TOTAL 5
											Page TOTAL 9
03	1	03	83/06/25	OP	BOLT		013	A	US	BR	
03	1	03	83/06/25	OP	BOLT		014	A	US	BR	
03	1	03	83/06/25	OP	BOLT		013	A	US	BR	
03	1	03	83/06/25	OP	BOLT		014	A	US	BR	
03	1	03	83/06/28	OP	BOLT		015	A	US	BR	
03	1	03	83/06/29	OP	BOLT		020	A	US	BR	
03	1	03	83/07/04	OP	BOLT		023	A	US	BR	
03	1	03	83/07/07	OP	BOLT		026	A	US	BR	
03	1	03	83/07/10	OP	BOLT		028	A	US	BR	
03	1	03	83/07/10	OP	BOLT		027	A	US	BR	
											PRODUCT TOTAL 10
03	2	03	83/06/23	OP	BOLT		036	A	US	BR	
03	2	03	83/06/28	OP	BOLT		039	A	US	BR	
03	2	03	83/06/29	OP	BOLT		041	A	US	BR	
03	2	03	83/07/05	OP	BOLT		047	A	US	BR	
03	2	03	83/07/05	OP	BOLT		046	A	US	BR	
03	2	03	83/07/06	OP	BOLT		049	A	US	BR	
03	2	03	83/07/09	OP	BOLT		054	A	US	BR	
03	2	03	83/07/13	OP	BOLT		058	A	US	BR	
03	2	03	83/07/13	OP	BOLT		052	A	US	BR	
											PRODUCT TOTAL 9
03	3	03	83/06/24	OP	BOLT		077	A	US	BR	
03	3	03	83/06/24	OP	BOLT		081	A	US	BR	
03	3	03	83/06/28	OP	BOLT		080	A	US	BR	
03	3	03	83/06/24	OP	BOLT		085	A	US	BR	

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FAILURE DATA

TYPE	PRODUCT NO.	PROT REP	DATE	ENV	PROT DESC.	FCPM NO.	PROT AGE	FAILURE	
07	2	07	83/07/09	OP	PIPE	053	A	BR	
07		07	83/07/13	OP	PIPE	056	A	BR	
07		07	83/07/13	OP	PIPE	057	A	BR	
									PRODUCT TOTAL 4
07	3	07	83/06/30	OP	PIPE	088	A	BR	
07	3	07	83/07/07	OP	PIPE	101	A	BR	
									PRODUCT TOTAL 2
									PROT TOTAL 6
07	1	07	83/05/25	OP	CYLINDER	012	A	BR	
									PRODUCT TOTAL 1
									PROT TOTAL 1
09	1	09	83/06/25	OP	DRIVE	015	A	FU	
									PRODUCT TOTAL 1
09	3	09	83/06/27	OP	DRIVE	078	A	BR	
09	3	09	83/06/28	OP	DRIVE	079	A	BR	
									PRODUCT TOTAL 2
									PROT TOTAL 3
10	1	10	83/06/28	OP	CONTROLS	017	A	BR	
10	1	10	83/07/04	OP	CONTROLS	024	A	BR	
									PRODUCT TOTAL 2
10	2	10	83/07/05	OP	CONTROLS	043	A	BR	
									PRODUCT TOTAL 1
10	3	10	83/06/28	OP	CONTROLS	082	A	BR	
10	3	10	83/07/10	OP	CONTROLS	109	A	BR	
									PRODUCT TOTAL 2
									PROT TOTAL 5
11	1	11	83/06/31	OP	WHEEL	022	A	BR	
11	1	11	83/06/83	OP	WHEEL	021	A	BR	
									PRODUCT TOTAL 2
11	2	11	83/06/28	OP	WHEEL	038	A	BR	
11	2	11	83/07/13	OP	WHEEL	059	A	BR	
									PRODUCT TOTAL 2
11	3	11	83/07/01	OP	WHEEL	091	A	BR	
									PRODUCT TOTAL 1
									PROT TOTAL 5

12	2	12	83/07/06	OP	AXEL	050	A	US	BR	PRODUCT TOTAL	1
12	3	12	83/07/06	OP	AXEL	097	A	US	BR		
12	3	12	83/07/07	OP	AXEL	100	A	US	BR		
12	3	12	83/07/09	OP	AXEL	103	A	US	BR		
										PRODUCT TOTAL	3
										PRODUCT TOTAL	4
13	2	13	83/06/23	OP	CAM	035	A	US	BR		
13	2	13	83/06/30	OP	CAM	042	A	US	BR		
13	2	13	83/07/09	OP	CAM	055	A	US	BR		
13	3	13	83/07/13	OP	CAM	112	A	US	BR	PRODUCT TOTAL	3

FAILURE DATA

UNIT	PRODUCT NO.	DATE	ENV	THRT DESC.	FCRM NO.	DESC	AGE	FAILURE	PRODUCT TOTAL PART TOTAL
14	2	83/06/23	OP	EXHAUST	037	A	US	BR	1 4
15	2	83/06/30	OP	SUPPORT	043	A	US	BR	1 1
16	2	83/07/06	OP	CABLE	051	A	US	BR	2
16	2	83/07/13	OP	CABLE	061	A	US	FU	
16	3	83/06/29	OP	CABLE	086	A	US	BR	1
18	2	83/07/13	OP	OUTLET	062	A	US	BR	3
18	3	83/07/06	OP	OUTLET	098	A	US	BR	1
19	2	83/07/13	OP	U TUBE	053	A	US	BR	2
19	3	83/07/05	OP	U TUBE	093	A	US	BR	1
22	3	83/05/04	OP	INDICATOR	073	A	US	BR	2
23	3	83/06/29	OP	HEATING	083	A	US	BR	1
25	3	83/07/11	OP	SLEEVE	110	A	US	FU	1
									1
									1

FAILURE DATA

UNIT	PRODUCT NO.	DATE	ENV	Part DESC.	FORM NO.	DESC	AGE	FAILURE	PRODUCT TOTAL	Part TOTAL
14	2	83/06/23	OP	EXHAUST	037	A	US	BR	1	4
15	2	83/06/30	OP	SUPPORT	043	A	US	BR	1	1
16	2	83/07/06	OP	CABLE	051	A	US	BR	2	
16	2	83/07/13	OP	CABLE	061	A	US	FU	1	
16	3	83/06/29	OP	CABLE	086	A	US	BR	3	
18	2	83/07/13	OP	OUTLET	062	A	US	BR	1	
18	3	83/07/06	OP	OUTLET	098	A	US	BR	1	2
19	2	83/07/13	OP	U TUBE	063	A	US	BR	1	
19	3	83/07/05	OP	U TUBE	093	A	US	BR	1	2
22	3	83/05/04	OP	INDICATOR	073	A	US	BR	1	1
23	3	83/06/29	OP	HEATING	083	A	US	BR	1	1
25	3	83/07/11	OP	SLEEVE	110	A	US	FU	1	1

APPENDIX XI

A sort of the parts failed per month April, May, June, and July of part numbers in order of product.

FAILURE DATA										(FRP1)	
Order	PRODUCT NO.	Part REP	DATE	ENV	Part DESC.	FORM NO.	PROD DESC	AGE	FAILURE		
G1	1	01	83/04/20	TR	PIN	001	A	NE	BR	PRODUCT TOTAL	1
G1	2	01	83/04/20	TR	PIN	064	A	NE	BP	PRODUCT TOTAL	1
										Part TOTAL	2
G2	1	02	83/04/20	TR	NUT	002	A	NE	FU		
G2	1	02	83/04/20	TR	NUT	029	A	NE	BR		
G2	1	02	83/04/26	TR	NUT	005	A	US	BR		
G2	2	02	83/04/26	TR	NUT	032	A	US	BR	PRODUCT TOTAL	3
G2	4	02	83/04/21	TR	NUT	114	A	ME	BR	PRODUCT TOTAL	1
										PRODUCT TOTAL	1
										Part TOTAL	5
G3	1	00	83/04/26	TR	BOLT	003	A	NE	BR	PRODUCT TOTAL	1
G3	1	00	83/04/26	TR	BOLT	066	A	US	BR	PRODUCT TOTAL	1
										Part TOTAL	2
G4	1	00	83/04/26	TR	LEVER	004	A	ME	FU	PRODUCT TOTAL	1
G4	2	04	83/04/20	TR	LEVER	010	A	NE	BP	PRODUCT TOTAL	1
										Part TOTAL	2
G5	1	00	83/04/27	TR	CAP	006	A	US	FU	PRODUCT TOTAL	1
										Part TOTAL	1
G7	3	07	83/04/28	TR	PIPE	069	A	US	BP	PRODUCT TOTAL	1
G7	4	07	83/04/26	TR	PIPE	114	A	NE	BR	PRODUCT TOTAL	1
										Part TOTAL	2
11	2	11	83/04/26	TR	WHEEL	031	A	US	BR		

11	3	83/04/26	TR	WHEEL	065	A	US	BR	PRODUCT TOTAL	1
									PRODUCT TOTAL	1
									Vein TOTAL	2
20	3	83/04/28	TR	DOOR	067	A	US	BR	PRODUCT TOTAL	1
20	4	93/04/26	TR	DOOR	115	A	NE	FU	PRODUCT TOTAL	1
									Prod TOTAL	2
21	3	83/04/24	TR	LIGHT	068	A	US	BR	PRODUCT TOTAL	1
21	4	93/04/26	TR	LIGHT	116	A	NE	BR	PRODUCT TOTAL	1
									ICN TOTAL	2

TABLE 11

FAILURE DATA

Part	PRODUCT NO.	REP	DATE	ENV	REQT	OF SC.	FCR P NO.	PROD DESC	AGE	FAILURE	
01	1	01	83/05/06	TR	PIN		011	A	US	BR	PRODUCT TOTAL 1
01	2	01	83/05/03	TR	PIN		122	A	US	BR	PRODUCT TOTAL 1
											PART TOTAL 2
02	1	02	83/05/03	TR	NUT		009	A	US	BR	PRODUCT TOTAL 1
02	2	02	83/05/03	TR	NUT		033	A	US	BR	PRODUCT TOTAL 1
02	3	02	83/05/06	TR	NUT		075	A	US	BR	PRODUCT TOTAL 1
											PART TOTAL 3
03	2	03	83/05/06	TR	BOLT		034	A	US	BR	PRODUCT TOTAL 1
03	3	03	83/05/06	TR	BOLT		071	A	US	BR	PRODUCT TOTAL 1
03	4	03	83/05/03	TR	BOLT		119	A	US	BR	PRODUCT TOTAL 2
03	4	03	83/05/03	TR	BOLT		111	A	US	BR	PRODUCT TOTAL 4
06	1	06	83/05/03	TR	CHAIN		007	A	US	BR	PRODUCT TOTAL 2
06	1	06	83/05/03	TR	CHAIN		010	A	US	BR	PRODUCT TOTAL 1
06	3	06	83/05/04	TR	CHAIN		072	A	US	BR	PRODUCT TOTAL 3
07	1	07	83/05/03	TR	PIPE		003	A	US	BR	PRODUCT TOTAL 1
08	1	08	83/05/25	OP	CYLINDER		012	A	US	BR	PRODUCT TOTAL 1
11	3	11	83/05/03	TR	WHEEL		070	A	US	BR	PRODUCT TOTAL 1

11	3	80	83/05/04	TR	WHEEL	074	A	US	BR	PRODUCT TOTAL PART TOTAL	2 2
12	4	12	83/05/03	TR	AXEL	120	A	US	BR	PRODUCT TOTAL PART TOTAL	1 1
16	4	16	83/05/06	TR	CABLE	124	A	US	BR	PRODUCT TOTAL PART TOTAL	1 1
17	4	17	83/05/06	TR	INLET	25	A	US	BR	PRODUCT TOTAL	1

FAILURE DATA

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Index	PRODUCT NO.	PROB REF	DATE	ENV	WGT	DESC.	FORM NO.	PROD AGE	FAILURE
22	3	22	83/05/04	OP	INDICATOR	074	A	US	BR
23	4	23	83/05/03	TR	SEALS	121	A	US	BR

(FBRP1)

FAILURE DATA

Part	PRODUCT NO.	Part REP	DATE	ENV	Part DESC.	FURP NO.	Prod AGE DESC	FAILURE	PRODUCT TOTAL	Part TOTAL
01	1	01	83/06/29	OP	PIN	018	A	US	1	1
03	1	03	83/06/28	OP	BOLT	016	A	US	1	1
03	1	03	83/06/29	OP	BOLT	020	A	US	1	1
03	2	03	83/06/28	OP	BOLT	039	A	US	2	2
03	2	03	83/06/29	OP	BOLT	041	A	US	2	2
03	3	03	83/06/28	OP	BOLT	081	A	US	1	1
03	3	03	83/06/28	OP	BOLT	080	A	US	1	1
03	3	03	83/06/29	OP	BOLT	084	A	US	1	1
03	3	03	83/06/29	OP	BOLT	085	A	US	1	1
03	3	03	83/06/30	OP	BOLT	089	A	US	1	1
07	1	07	83/06/29	TP	PIPE	019	A	US	1	1
07	2	07	83/06/29	OP	PIPE	040	A	US	1	1
07	3	07	83/06/30	OP	PIPE	088	A	US	1	1
09	3	09	83/06/27	OP	DRIVE	078	A	US	2	2
09	3	09	83/06/28	OP	DRIVE	079	A	US	2	2
10	1	10	83/06/28	OP	CONTROLS	017	A	US	1	1
10	3	10	83/06/28	OP	CONTROLS	082	A	US	1	1
11	1	11	83/06/31	OP	WHEEL	021	A	US	1	1
11	1	11	83/06/31	OP	WHEEL	022	A	US	1	1

(FBRP1)

FAILURE DATA

Order	PRODUCT NO.	Part REP	DATE	ENV	Part DESC.	FORM NO.	Prod AGE	FAILURE	
11	1	11	83/06/31	OP	WHEEL	021	A	US	BR
11	1	11	83/06/31	OP	WHEEL	022	A	US	BR
									PRODUCT TOTAL 2
									Part TOTAL 2
11	2	11	83/06/28	OP	WHEEL	038	A	US	BR
									PRODUCT TOTAL 2
									PRODUCT TOTAL 1
									Part TOTAL 3
13	2	13	83/06/30	OP	CAM	042	A	US	BR
									PRODUCT TOTAL 1
									Part TOTAL 1
15	2	15	83/06/30	OP	SUPPORT	043	A	US	BR
									PRODUCT TOTAL 1
									Part TOTAL 1
16	3	16	83/06/29	OP	CABLE	086	A	US	BR

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(FBRP1)

FAILURE DATA

Order	PRODUCT NO.	Part REP	DATE	ENV	Part DESC.	FORM NO.	Prod AGE	FAILURE	
23	3	23	83/06/29	OP	HEATING	083	A	US	BR
									PRODUCT TOTAL 1
									Part TOTAL 1
									PRODUCT TOTAL 1
									Part TOTAL 1

(FBRP1)

FAILURE DATA

Part	PRODUCT NO.	Part No.	DATE	ENV	Part Desc.	FCRM NO.	PROP AGE DESC	FAILURE	
03	1	03	83/06/25	OP	BOLT	013	A US	BR	
03	1	03	83/06/25	OP	BOLT	014	A US	BR	
03	1	03	83/06/25	OP	BOLT	013	A US	BR	
03	1	03	83/06/25	OP	BOLT	014	A US	BR	4
									PRODUCT TOTAL
03	2	03	83/06/23	OP	BOLT	036	A US	BR	1
									PRODUCT TOTAL
03	3	03	83/06/20	TR	BOLT	076	A US	BR	2
03	3	03	83/06/24	OP	BOLT	077	A US	BR	7
									PRODUCT TOTAL
									Part TOTAL
03	1	03	83/06/25	OP	DRIVE	015	A US	FU	1
									PRODUCT TOTAL
									Part TOTAL
13	2	13	83/06/23	OP	CAM	035	A US	BR	1
									PRODUCT TOTAL
									Part TOTAL
14	2	14	83/06/23	OP	EXHAUST	037	A US	BR	1
									PRODUCT TOTAL
									Part TOTAL

(FBRPI)

FAILURE DATA

Part	PRODUCT NO.	Part REF	DATE	ENV	Part	DESC.	FORM NO.	PROD. DESC.	AGE	FAILURE	
01	1	01	83/07/07	UP	PIN		025	A	US	BR	PRODUCT TOTAL 1
01	2	01	83/07/04	OP	PIN		C44	A	US	BR	
01	2	01	83/07/13	UP	PIN		060	A	US	BR	PRODUCT TOTAL 2
01	3	01	83/07/01	OP	PIN		090	A	US	BR	
01	3	01	83/07/06	OP	PIN		094	A	US	BR	
01	3	01	83/07/09	OP	PIN		105	A	US	BR	
01	3	01	83/07/10	OP	PIN		108	A	US	BR	
01	3	01	83/07/10	OP	PIN		107	A	US	BR	PRODUCT TOTAL 5
											PRODUCT TOTAL 8
02	4	02	83/07/29	TR	NUT		117	A	US	BR	PRODUCT TOTAL 1
											PRODUCT TOTAL 1
03	1	03	83/07/04	UP	BOLT		023	A	US	BR	
03	1	03	83/07/07	OP	BOLT		026	A	US	BR	
03	1	03	83/07/10	UP	BOLT		027	A	US	BR	
03	1	03	83/07/10	OP	BOLT		028	A	US	BR	PRODUCT TOTAL 4
03	2	03	83/07/05	OP	BOLT		046	A	US	BR	
03	2	03	83/07/05	OP	BOLT		047	A	US	BR	
03	2	03	83/07/05	UP	BOLT		049	A	US	BR	
03	2	03	83/07/09	OP	BOLT		054	A	US	BR	
03	2	03	83/07/13	UP	BOLT		058	A	US	BR	
03	2	03	83/07/83	OP	BOLT		052	A	US	BR	PRODUCT TOTAL 6
03	3	03	83/07/04	OP	BOLT		045	A	US	BR	
03	3	03	83/07/04	OP	BOLT		092	A	US	BR	
03	3	03	83/07/06	OP	BOLT		096	A	US	BR	
03	3	03	83/07/07	OP	BOLT		099	A	US	BR	
03	3	03	83/07/09	UP	BOLT		104	A	US	BR	
03	3	03	83/07/09	UP	BOLT		102	A	US	BR	
03	3	03	83/07/10	OP	BOLT		106	A	US	BR	
03	3	03	83/07/13	OP	BOLT		111	A	US	BR	PRODUCT TOTAL 8
											PRODUCT TOTAL 18

07	2	07	83/07/09	OP	PIPE	053	A	US	BR	PRODUCT TOTAL	3
07	2	07	83/07/13	OP	PIPE	057	A	US	BR	PRODUCT TOTAL	1
07	2	07	83/07/13	OP	PIPE	056	A	US	BR	PRODUCT TOTAL	4
07	3	07	83/07/07	OP	PIPE	101	A	US	BR	PRODUCT TOTAL	1
10	1	10	83/07/04	OP	CONTROLS	024	A	US	BR	PRODUCT TOTAL	1
10	2	10	83/07/05	OP	CONTROLS	043	A	US	BR	PRODUCT TOTAL	1
10	3	10	83/07/10	OP	CONTROLS	109	A	US	BR	PRODUCT TOTAL	1

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FAILURE DATA

Page	PRODUCT NO.	MR REP	DATE	ENV	Part DESC.	FORM NO.	PROD AGE	FAILURE	PRODUCT TOTAL	Part TOTAL
11	2	11	83/07/13	OP	WHEEL	050	A	US	3R	1
11	3	11	83/07/01	OP	WHEEL	091	A	US	BR	3
12	2	12	83/07/06	OP	AXEL	050	A	US	BR	1
12	3	12	83/07/06	OP	AXEL	097	A	US	BR	1
12	3	12	83/07/07	OP	AXEL	100	A	US	BR	1
12	3	12	83/07/09	OP	AXEL	103	A	US	BR	2
13	2	13	93/07/09	OP	CAM	055	A	US	BR	3
13	3	13	83/07/13	OP	CAM	112	A	US	BR	4
16	2	16	83/07/06	OP	CABLE	051	A	US	BR	1
16	2	16	83/07/13	OP	CABLE	061	A	US	FU	2
18	2	18	83/07/13	OP	OUTLET	062	A	US	BR	2
19	3	19	83/07/06	OP	OUTLET	093	A	US	BR	1
19	2	19	83/07/13	OP	U TUBE	063	A	US	BR	1
19	3	19	83/07/05	CP	U TUBE	093	A	US	BR	2

REFERENCE LIST

1. JURAN, JM / GRUNA FM Quality Planning and Analysis, 2nd ed. USA: Mc Graw-Hill, 1980 p 27.
2. CHECKLAND, P Systems Thinking, Systems Practice, Britain, John Wiley & Sons Ltd. , 1981
3. JURAN, JM Quality Control Handbook, 3rd ed. USA: Mc Graw-Hill, 1979, pp 15 - 11
4. UNITED STATES ARMY MATERIAL COMMAND Quality Assurance Reliability Handbook, National Technical Information Service, 1968, Ch 7.
5. JURAN, JM / GRUNA, FM Quality Planning and Analysis, 2nd ed. USA: Mc Graw-Hill, 1980, Ch 19, Ch 20, Ch 21, Ch 25.
6. FEG Gesellschaft für Logistik mbH Technische Beratung, Vogelweidplatz 9 .8000 München 80
7. FOURIE, HP Communication by Objectives, 4th ed. Johannesburg: Mc Graw-Hill, 1977.
8. ISHIKAWA, K Guide to Quality Control, 4th ed. Tokyo: Nordice International Limited, 1981, Ch 1.
9. BESTERFIELD, DH Quality Control, USA: Prentice-Hall, 1979, pp 241 - 242.
10. JURAN, JM / GRUNA, FM Quality Planning and Analysis, 2nd ed. USA: Mc Graw-Hill, 1980, pp 478 - 480.

11. JURAN, JM Quality Control Handbook, 3rd ed. USA: Mc Graw-Hill, 1979, Ch 24.
12. JURAN, JM Management of Quality, 4th ed. N.Y. USA: Mc Graw-Hill, 1981, pp H-7 - H-9.
13. UNITED STATES ARMY MATERIAL COMMAND Quality Assurance Reliability Handbook, National Technical Information Service, 1968, p AMCP 702-3.
14. JURAN, JM Quality Control Handbook, 3rd ed. USA: Mc Graw-Hill, 1979, pp 2-16 - 2-19.
15. ARINC RESEARCH CORPORATION Reliability and Maintainability Data- feedback Systems, New York, U.S. Naval Applied Science Laboratory, 1966.
16. VAN HEERDEN, K Handbook of Problem Solving Techniques, South African Value Engineering, (Pty) Ltd.
17. UNITED STATES ARMY MATERIAL COMMAND Quality Assurance Reliability Handbook, National Technical Information Service, 1968, Ch 7.
18. JURAN, JM / GRUNA, FM Quality Planning and Analysis, 2nd ed. USA: Mc Graw-Hill, 1980, pp 480 - 483.
19. FOURIE, HP Communication by Objectives, 4th ed. Johannesburg: Mc Graw-Hill, 1977, pp 3 - 5.
20. FOURIE, HP Communication by Objectives, 4th ed. Johannesburg: Mc Graw-Hill, 1977, pp 41 - 60.
21. VAN SCHOOR, M What is Communication?, 1st ed. Pretoria: J.L. van Schaik, 1982, pp 45 - 49.

22. FOURIE, HP Communication by Objectives, 4th ed. Johannesburg: Mc Graw-Hill, 1977, pp 66 - 114.
23. ISHIKAWA, K Guide to Quality Control, 4th ed. Tokyo, Nordica International Limited, 1981, pp 78 - 82
24. JURAN, JM Quality Control Handbook, 3rd ed. USA: Mc Graw-Hill, 1979, pp 22-5 - 22-8.
25. JURAN, JM Quality Control Handbook, 3rd ed. USA: Mc Graw-Hill, 1979, pp 15-17 - 15-20.
26. MURDOCH, J Control Charts, London: Macmillan, 1979
27. JURAN, JM / GRYNALD, FM Quality Planning and Analysis, 2nd ed. USA: Mc Graw-Hill, 1980, pp 483 - 484
28. ANDERSON, RT Reliability Design Handbook, 4th ed. Chicago: ITT Research Institute, 1975, Ch 2.

BIBLIOGRAPHY

ALLEN, LA Professional Management, Maidenhead
Berkshire England: Mc Graw-Hill, 1973.

ALVEN, WH Reliability Engineering, New Jersey:
Prentice-Hall, Inc, 1964.

ANDERSON, RT Reliability Design Handbook, 4th
printing, Chicago: IIT Research Institute, 1976.

ARINC RESEARCH CORPORATION, Reliability and
Maintainability data Feedback Systems, New York:
U.S. Naval Applied Science Laboratory, 1966.

BESTERFIELD, DH Quality Control, New Jersey:
Prentice-Hall Inc., 1979.

BLANCHARD BS - FABRYCKY WJ Systems Engineering and
Analysis, New York: Prentice-Hall Inc., 1981.

CARTLEDGE, B A.T.E. Data Analysis and its Impact on
Product Quality, British Aerospace Dynamics Group,
Stevenage, England: Automatic Testing 80 Conference
Proceedings, 1980.

CHESTNUT, H Systems Engineering Methods, New York:
John Wiley & Sons Inc., 1967.

DEMING, WE Quality, Productivity and Competitive
Position, Cambridge U.S.A: Massachusetts Institute of
Technology, 1982.

DISTEFANO, JJ - STUBBERUD, AR - WILLIAMS, ID Feedback
and Control Systems, Los Angeles: Mc Graw-Hill, 1976.

FOURIE, HP Communication by Objectives, 4th impres-
sion, Johannesburg: Mc Graw-Hill, 1977.

GRANDA, MT An Application of Human Factors Concepts to an Interactive Computerized Personnel Record-Keeping System, U.S.A.: US Army Research Institute for the Behavioral and Social Sciences, 1980.

GRANT, LE / LEAVENWORTH, RS Statistical Quality Control, Kogakusha: Mc Graw-Hill, 1980.

HALPERN, S The Assurance Sciences, New York: Prentice-Hall Inc., 1978.

VAN HEERDEN, K Handbook of Problem-Solving Techniques, Verwoerdburg: South African Value Engineering (Pty) Ltd.

HQUP, WK Reporting Technical Information, 3rd ed., California: Benziger Bruce & Glencoe, Inc., 1977.

IRESON, VG Reliability Handbook, U.S.A.: Mc Graw-Hill, Inc., 1966.

ISHIKAWA, K Guide to Quality Control, 2nd printing, Tokyo: Nordica International Limited, 1981.

JURAN, JM Management of Quality, 3rd ed., New York: Mc Graw-Hill, 1981.

JURAN, JM Quality Control Handbook, 3rd ed., New York: Mc Graw-Hill, 1979.

JURAN, JM / GRYN, FM Quality Planning and Analysis, 2nd ed., U.S.A.: Mc Graw-Hill, 1980.

KARBOWIAK, AE / HVEY, RM Information, Computers, Machines and Man, Sydney: John Wiley & Sons Australasia Pty Ltd., 1971.

LANDERS, RR Reliability and Product Assurance, Englewood Cliffs, N.Y. : Prentice-Hall, 1963.

LA VALLEE, RS A Field Study of the Maintainability and Reliability of an Interceptor Squadron, IRE "Transactions on Reliability and Quality Control", RQC-11, No. 3, October 1962, pp 28 -34.

LITTLE, DC / SHERIDAN, TB / STEVENS, CH / TROPP, P Citizen Feedback Components and Systems, Massachusetts : Operational Research Center Massachusetts Institute of Technology, 1972.

MARTYNOV, YM Information Processing in Data Transmission Systems, Obrabotka Informatsii v Sistemakh Peredachi Danykh Izd-vo "Soyuz" Moscow, Foreign Technology Division Ohio, 1969.

MUSIKER, R Style Guide for Theses and Dissertation, Johannesburg : University of the Witwatersrand, 1980.

NELSON, W Hazard Plotting for Incomplete Failure Data, New York : Journal of Quality Technology, Vol. 1 No. 1, January 1969.

O'CONNOR, PD Practical Reliability Engineering, Heyden, 1981.

POWELL, RR Analysing and Interpreting Field Failure Data, "Proceedings 1970 Annual Symposium on Reliability, IRRR, pp 94 - 100.

ROUSE, WB Systems Engineering Models of Human - Machine Interaction, Illinois : North Holland, 1980.

STROOP, PP Quality Control Impact on Military Hardware, "Industrial Quality Control" December 1964, pp 298 - 304.

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