

C INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101003

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINHA #1
ROCHESTER GGE
4. LPH 1
5. LOCATION GOV
6. DISC# 1
7. TEST NO. TD20R31

B. MATERIAL PROPERTIES (HUB)

1. TYPE TC
(MIN. Y.S. [(KSI)]
2. SUPPLIER: BETHLEHEM STEEL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP.
(DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP.
(DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR MO V
HI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1600 [KSI]
2. 2160 (120%) [KSI]

F. CRACK DATA (KEYWAY RADIUS (IN))

1. A-CR-OP (1800 RPM) (IN.)
2. A-CR-OS (OVERSPEED) (IN.)

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F)
2. ESTIMATED MAX DA/DT (IN/HR)
3. ESTIMATED MAX DA/DT (IN/MONTH)

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.)
2. KEYWAY CRACK DEPTH (MAX.)-(IN.)
3. BORE CRACK DEPTH (MAX.)-(IN.)
4. DISK STATUS

REGULATORY DOCKET FILE COPY

810218078

C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101003

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT GINNA #1
3. CUSTOMER: ROCHESTER G&E
4. LPR 1
5. LOCATION GOV
6. DISC# 2
7. TEST NO. TD15001

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. C](KSI))
2. SUPPLIER: MIDVALE HERPENSTALL]
3. Y.S. (KSI)]
4. U.T.S. (KSI)]
5. ELONGATION]
6. R.A.]
7. FATT (DEG.F)]
8. R.T. IMPACT (FT.LB.)]
9. U.S. IMPACT TEMP. (DEG.F)]
10. U.S. IMPACT ENG. (FT.LB.)]
11. U.S. KIC (KSI*SQRT(IN.))]

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)]
2. U.T.S. (KSI)]
3. ELONGATION]
4. R.A.]
5. FATT (DEG.F)]
6. R.T. IMPACT (FT.LB.)]
7. U.S. IMPACT TEMP. (DEG.F)]
8. U.S. IMPACT ENG. (FT.LB.)]
9. U.S. KIC (KSI*SQRT(IN.))]

D. CHEMISTRY

C] HN] SI] P] CR] MO] V]
NI] AS] SB] SN] AL] CU] S]

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI)]
2. 2160 (120X) (KSI)]

F. CRACK DATA (KEYWAY RADIUS (IN))]

1. A-CR-OP (1800 RPM) (IN.)]
2. A-CR-OS (OVERSPEED) (IN.)]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F)]
2. ESTIMATED MAX DA/DT (IN/HR)]
3. ESTIMATED MAX DA/DT (IN/MONTH)]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.)]
2. KEYWAY CRACK DEPTH (MAX.)-(IN.)]
3. BORE CRACK DEPTH (MAX.)-(IN.)]
4. DISK STATUS]

C 3 INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101003

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
4. LPM ROCHESTER
5. LOCATION GOV
6. DISC# 3
7. TEST NO. TD14999

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [] TO [] (KSI))
2. SUPPLIER: MIDVALE HEPPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR MO V
NI AS SB SH AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI)
2. 2160 (120%) (KSI)

F. CRACK DATA (KEYWAY RADIUS (IN.))

1. A-CR-OP (1800 RPM) (IN.)
2. A-CR-OS (OVERSPEED) (IN.)

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F)
2. ESTIMATED MAX DA/DT (IN/HR)
3. ESTIMATED MAX DA/DT (IN/MONTH)

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.)
2. KEYWAY CRACK DEPTH (MAX.) (IN.)
3. BORE CRACK DEPTH (MAX.) (IN.)
4. DISK STATUS

C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101003

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
4. LPH ROCHESTER
5. LOCATION 1
6. DISC 4
7. TEST NO. TD15007

B. MATERIAL PROPERTIES (HUB)

1. TYPE TC
(MIN. Y.S. (KSI))]
2. SUPPLIER: MIDVALE-HEPPENSTALL
3. Y.S. (KSI)]
4. U.T.S. (KSI)]
5. ELONGATION]
6. R.A.]
7. FATT (DEG.F)]
8. R.T. IMPACT (FT.LB.)]
9. U.S. IMPACT TEMP. (DEG.F)]
10. U.S. IMPACT ENG. (FT.LB.)]
11. U.S. KIC (KSI*SQRT(IN.))]

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)]
2. U.T.S. (KSI)]
3. ELONGATION]
4. R.A.]
5. FATT (DEG.F)]
6. R.T. IMPACT (FT.LB.)]
7. U.S. IMPACT TEMP. (DEG.F)]
8. U.S. IMPACT ENG. (FT.LB.)]
9. U.S. KIC (KSI*SQRT(IN.))]

D. CHEMISTRY

C] HN] SI] P] CR] HO] V]
NI] AS] SB] SN] AL] CU] S]

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI)]
2. 2160 (120%) (KSI)]

F. CRACK DATA (KEYWAY RADIUS (IN.))

1. A-CR-OP (1800 RPM) (IN.)]
2. A-CR-OS (OVERSPEED) (IN.)]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F)]
2. ESTIMATED MAX DA/DT (IN/HR)]
3. ESTIMATED MAX DA/DT (IN/MONTH)]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.)]
2. KEYWAY CRACK DEPTH (MAX.)-(IN.)]
3. BORE CRACK DEPTH (MAX.)-(IN.)]
4. DISK STATUS]

C INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101003

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT GINNA #1
3. CUSTOMER: ROCHESTER G&E
4. LPM 1
5. LOCATION GOV
6. DISCH 5
7. TEST NO. TD14991

B. MATERIAL PROPERTIES (HUB)

1. TYPE TC
(MIN. Y.S. C J(KSI))
2. SUPPLIER: MIDVALE HEPPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP.
(DEG.F)
10. U.S. IMPACT ENG.
(FT.LB.)
11. U.S. KIC
(KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP.
(DEG.F)
8. U.S. IMPACT ENG.
(FT.LB.)
9. U.S. KIC
(KSI*SQRT(IN.))

D. CHEMISTRY

C HN SI P CR HO V
NI AS SB SH AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1: 1600 (KSI) C
2: 2160 (120%) (KSI) C

F. CRACK DATA (KEYWAY RADIUS (IN) C)

1: A-CR-05 (OVERSPEED) (IN.) C

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C
2. ESTIMATED MAX DA/DT (IN/HR) C
3. ESTIMATED MAX DA/DT (IN/MONTH) C

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C
3. BORE CRACK DEPTH (MAX.)-(IN.) C
4. DISK STATUS C

C 3 INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101003

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
4. LPH ROCHESTER G6E
5. LOCATION 60V
6. DISCH 6
7. TEST NO. TD14989

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. (KSI)) TB
2. SUPPLIER: MIDVALE HEPPESTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR HO V
NI AS SB SH AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI)
2. 2160 (120%) (KSI)

F. CRACK DATA (KEYWAY RADIUS (IN.))

1. A-CR-OP (1800 RPM) (IN.)
2. A-CR-OS (OVERSPEED) (IN.)

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F)
2. ESTIMATED MAX DA/DT (IN/HR)
3. ESTIMATED MAX DA/DT (IN/MONTH)

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.)
2. KEYWAY CRACK DEPTH (MAX.) (IN.)
3. BORE CRACK DEPTH (MAX.) (IN.)
4. DISK STATUS

C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101004

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINHA #1
ROCHESTER G&E
4. LPH
5. LOCATION GEN
6. DISC#
7. TEST NO. TD3749

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. C](KSI)] TB
2. SUPPLIER: MIDVALE, HEPPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C] NI] AS] SB] SH] AL] CU] S]
C] CR] MO] V]

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) C]
2. 2160 (120%) (KSI) C]

E. CRACK DATA (KEYWAY, RADIUS (IN))

1. A-CR-OP (1800 RPM) (IN.) C]
2. A-CR-OS (OVERSPEED) (IN.) C]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C]
2. ESTIMATED MAX DA/DT (IN/HR) C]
3. ESTIMATED MAX DA/DT (IN/MONTH) C]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C]
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C]
3. BORE CRACK DEPTH (MAX.)-(IN.) C]
4. DISK STATUS C]



C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101004

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT GINNA #1
3. CUSTOMER: ROCHESTER G&E
4. LPH 1
5. LOCATION GEN
6. DISCH 2
7. TEST NO. TD15000

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [] (KSI))
2. SUPPLIER: MIDVALE-HEPPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR MO V
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) []
2. 2160 (120%) (KSI) []

F. CRACK DATA (KEYWAY, RADIUS, IN.)

1. A-CR-OP (1800 RPM) (IN.) []
2. A-CR-OS (OVERSPEED) (IN.) []

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) []
2. ESTIMATED MAX DA/DT (IN/HR) []
3. ESTIMATED MAX DA/DT (IN/MONTH) []

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) []
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) []
3. BORE CRACK DEPTH (MAX.)-(IN.) []
4. DISK STATUS []

C J INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101004

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
 2. UNIT
 3. CUSTOMER: GINHA #1
 ROCHESTER G&E
 4. LPH 1
 5. LOCATION GEN
 6. DISC# 3
 7. TEST NO. TD14998

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. C TD (KSI))
 2. SUPPLIER: MIDVALE HEPPENSTALL
 3. Y.S. (KSI)
 4. U.T.S. (KSI)
 5. ELONGATION
 6. R.A.
 7. FATT (DEG.F)
 8. R.T. IMPACT (FT.LB.)
 9. U.S. IMPACT TEMP. (DEG.F)
 10. U.S. IMPACT ENG. (FT.LB.)
 11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
 2. U.T.S. (KSI)
 3. ELONGATION
 4. R.A.
 5. FATT (DEG.F)
 6. R.T. IMPACT (FT.LB.)
 7. U.S. IMPACT TEMP. (DEG.F)
 8. U.S. IMPACT ENG. (FT.LB.)
 9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C H H SI P CR MO Y
 NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1500 (KSI) []
 2. 2160 (120%) (KSI) []

F. CRACK DATA (KEYWAY RADIUS (IN))

1. A-CR-0P (1800 RPM) (IN.) []
 2. A-CR-0S (OVERSPEED) (IN.) []

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) []
 2. ESTIMATED MAX DA/DT (IN/HR) []
 3. ESTIMATED MAX DA/DT (IN/MONTH) []

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) []
 2. KEYWAY CRACK DEPTH (MAX.)-(IN.) []
 3. BORE CRACK DEPTH (MAX.)-(IN.) []
 4. DISK STATUS []



C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID #: 0080101004

LP TURBINE DISC, INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1 ROCHESTER G6E
4. LP# 1
5. LOCATION GEN
6. DISC# 4
7. TEST NO.: TD15004

8. MATERIAL PROPERTIES (HUB)

```

1. TYPE (MIN. Y.S. C J(KSI)) TC
2. SUPPLIER: --- MIDVALE HEPPENSTALL
3. Y.S. (KSI) C
4. U.T.S. (KSI) C
5. ELONGATION C
6. R.A. C
7. FATT (DEG.F) C
8. R.T. IMPACT (FT.LB.) C
9. U.S. IMPACT TEMP. (DEG.F) C
10. U.S. IMPACT ENG. (FT.LB.) C
11. U.S. KIC (KSI*SQRT(IN.)) C

```

C. MATERIAL PROPERTIES (RIM)

1.	Y.S. (KSI)	C
2.	U.T.S. (KSI)	C
3.	ELONGATION	C
4.	R.A.	C
5.	FATT (DEG.F)	C
6.	R.T. IMPACT (FT.LB.)	C
7.	U.S. IMPACT TEMP.	C
8.	U.S. IMPACT ENG. (DEG.F) (FT.LB.)	C
9.	U.S. KIC (KSI*SQRT(IN.))	C

D. CHEMISTRY

C ————— MN ————— SI ————— P ————— CR ————— MO ————— Y —————
NI ————— AS ————— SB ————— SN ————— AL ————— CU ————— S —————

E. BORE STRESS

"SPEED" (RPM) --- "STRESS"

1. 1800 (KSI) C
2. 2160 (120%) (KSI) C

F. CRACK DATA (KEYWAY RADIUS (IN) C. _____)

1. A-CR-OP (1800 RPM) (IN.) E
2. A-CR-OS (OVERSPEED) (IN.) E

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C
2. ESTIMATED MAX DA/DT (IN/HR) C
3. ESTIMATED MAX DA/DT (IN/MONTH) C

INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C
3. BORE CRACK DEPTH (MAX.)-(IN.) C
4. DISK STATUS C

C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101004

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
 2. UNIT
 3. CUSTOMER: GINNA #1
 ROCHESTER G6E
 4. LPM
 5. LOCATION
 6. DISC
 7. TEST NO. TD14993

B. MATERIAL PROPERTIES (HUB)

1. TYPE TC
 (MIN. Y.S. [] (KSI))
 2. SUPPLIER: MIDVALE, HEPPENSTALL
 3. Y.S. (KSI)
 4. U.T.S. (KSI)
 5. ELONGATION
 6. R.A.
 7. FATT (DEG.F)
 8. R.T. IMPACT (FT.LB.)
 9. U.S. IMPACT TEMP.
 (DEG.F)
 10. U.S. IMPACT ENG.
 (FT.LB.)
 11. U.S. KIC
 (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
 2. U.T.S. (KSI)
 3. ELONGATION
 4. R.A.
 5. FATT (DEG.F)
 6. R.T. IMPACT (FT.LB.)
 7. U.S. IMPACT TEMP.
 (DEG.F)
 8. U.S. IMPACT ENG.
 (FT.LB.)
 9. U.S. KIC
 (KSI*SQRT(IN.))

D. CHEMISTRY

C] MN] SI] P] CR] NO] V]
 NI] AS] SB] SN] AL] CU] S]

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 [KSI] []
 2. 2160 (120%) [KSI] []

F. CRACK DATA (KEYWAY RADIUS (IN) [])

1. A-CR-OP (1800 RPM) (IN.) []
 2. A-CR-OS (OVERSPEED) (IN.) []

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) []
 2. ESTIMATED MAX DA/DT (IN/HR) []
 3. ESTIMATED MAX DA/DT (IN/MONTH) []

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) []
 2. KEYWAY CRACK DEPTH (MAX.) (IN.) []
 3. BORE CRACK DEPTH (MAX.) (IN.) []
 4. DISK STATUS []



C J INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101004

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER G&E
4. LP# 1
5. LOCATION GEN
6. DISCH 6
7. TEST NO. TD32484

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. C TO J(KSI))
2. SUPPLIER: MIDVALE HERPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C NH SI P CR HO V
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) C J
2. 2160 (120%) (KSI) C J

F. CRACK DATA (KEYWAY, RADIUS, IN.)

1. A-CR-OP (1800 RPM) (IN.) C J
2. A-CR-OS (OVERSPEED) (IN.) C J

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C J
2. ESTIMATED MAX DA/DT (IN/HR) C J
3. ESTIMATED MAX DA/DT (IN/MONTH) C J

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C J
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C J
3. BORE CRACK DEPTH (MAX.)-(IN.) C J
4. DISK STATUS C J



C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101005

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER G6E
4. LPH 2
5. LOCATION GOV
6. DISC# 1
7. TEST NO. TN10087

B. MATERIAL PROPERTIES (HUB)

1. TYPE TB
(MIN. Y.S. [(KSI)]
2. SUPPLIER: JCF
3. Y.S. (KSI)]
4. U.T.S. (KSI)]
5. ELONGATION]
6. R.A.]
7. FATT (DEG.F)]
8. R.T. IMPACT (FT.LB.)]
9. U.S. IMPACT TEMP. (DEG.F)]
10. U.S. IMPACT ENG. (FT.LB.)]
11. U.S. KIC (KSI*SQRT(IN.))]

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)]
2. U.T.S. (KSI)]
3. ELONGATION]
4. R.A.]
5. FATT (DEG.F)]
6. R.T. IMPACT (FT.LB.)]
7. U.S. IMPACT TEMP. (DEG.F)]
8. U.S. IMPACT ENG. (FT.LB.)]
9. U.S. KIC (KSI*SQRT(IN.))]

D. CHEMISTRY

C] MN] SI] P] CR] MO] V]
NI] AS] SB] SN] AL] CU] S]

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI)]
2. 2160 (120%) (KSI)]

F. CRACK DATA (KEYWAY, RADIUS (IN))]

1. A-CR-OP (1800 RPM) (IN.)]
2. A-CR-OS (OVERSPEED) (IN.)]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F)]
2. ESTIMATED MAX DA/DT (IN/HR)]
3. ESTIMATED MAX DA/DT (IN/MONTH)]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.)]
2. KEYWAY CRACK DEPTH (MAX.)-(IN.)]
3. BORE CRACK DEPTH (MAX.)-(IN.)]
4. DISK STATUS]

C INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101005

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER G&E
4. LP# 2
5. LOCATION GOV
6. DISC# 2
7. TEST NO. TN10089

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [C] T8
2. SUPPLIER: JCF [C] (KSI))
3. Y.S. (KSI) [C]
4. U.T.S. (KSI) [C]
5. ELONGATION [C]
6. R.A. [C]
7. FATT (DEG.F) [C]
8. R.T. IMPACT (FT.LB.) [C]
9. U.S. IMPACT TEMP. (DEG.F) [C]
10. U.S. IMPACT ENG. (FT.LB.) [C]
11. U.S. KIC (KSI*SQRT(IN.)) [C]

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI) [C]
2. U.T.S. (KSI) [C]
3. ELONGATION [C]
4. R.A. [C]
5. FATT (DEG.F) [C]
6. R.T. IMPACT (FT.LB.) [C]
7. U.S. IMPACT TEMP. (DEG.F) [C]
8. U.S. IMPACT ENG. (FT.LB.) [C]
9. U.S. KIC (KSI*SQRT(IN.)) [C]

D. CHEMISTRY

C C H N S I P CR HO V
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) [C]
2. 2160 (120%) (KSI) [C]

F. CRACK DATA (KEYWAY, RADIUS (IN))

1. A-CR-OP (1800 RPM) (IN.) [C]
2. A-CR-OS (OVERSPEED) (IN.) [C]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) [C]
2. ESTIMATED MAX DA/DT (IN/HR) [C]
3. ESTIMATED MAX DA/DT (IN/MONTH) [C]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) [C]
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) [C]
3. BORE CRACK DEPTH (MAX.)-(IN.) [C]
4. DISK STATUS [C]



C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101005

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINHA #1
ROCHESTER G&E
4. LPH 2
5. LOCATION GOV
6. DISCH 3
7. TEST NO. TN10091

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [C] TB [KSI])
2. SUPPLIER: JCF
3. Y.S. (KSI) [C]
4. U.T.S. (KSI) [C]
5. ELONGATION [C]
6. R.A. [C]
7. FATT (DEG.F) [C]
8. R.T. IMPACT (FT.LB.) [C]
9. U.S. IMPACT TEMP. (DEG.F) [C]
10. U.S. IMPACT ENG. (FT.LB.) [C]
11. U.S. KIC (KSI*SQRT(IN.)) [C]

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI) [C]
2. U.T.S. (KSI) [C]
3. ELONGATION [C]
4. R.A. [C]
5. FATT (DEG.F) [C]
6. R.T. IMPACT (FT.LB.) [C]
7. U.S. IMPACT TEMP. (DEG.F) [C]
8. U.S. IMPACT ENG. (FT.LB.) [C]
9. U.S. KIC (KSI*SQRT(IN.)) [C]

D. CHEMISTRY

C] MN] SI] P] CR] MO] V]
NI] AS] SB] SN] AL] CU] S]

E. BORE STRESS

SPEED (RPH) STRESS
1. 1800 (KSI) [C]
2. 2160 (120%) (KSI) [C]

F. CRACK DATA (KEYWAY, RADIUS (IN.) [C]

1. A-CR-OP (1800 RPH) (IN.) [C]
2. A-CR-OS (OVERSPEED) (IN.) [C]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) [C]
2. ESTIMATED MAX DA/DT (IN/HR) [C]
3. ESTIMATED MAX DA/DT (IN/MONTH) [C]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) [C]
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) [C]
3. BORE CRACK DEPTH (MAX.)-(IN.) [C]
4. DISK STATUS [C]



C INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

10 # : D080101005

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
4. LPM ROCHESTER
5. LOCATION 66E
6. DISCH 2
7. TEST NO. 4
TN10095

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [C] J(KSI))
2. SUPPLIER: JCF
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR MO V
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) [C]
2. 2160 (120%) (KSI) [C]

F. CRACK DATA (KEYWAY RADIUS (IN) [C])

1. A-CR-OP (1800 RPM) (IN.) [C]
2. A-CR-OS (OVERSPEED) (IN.) [C]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) [C]
2. ESTIMATED MAX DA/DT (IN/HR) [C]
3. ESTIMATED MAX DA/DT (IN/MONTH) [C]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) [C]
2. KEYWAY CRACK DEPTH (MAX.) (IN.) [C]
3. BORE CRACK DEPTH (MAX.) (IN.) [C]
4. DISK STATUS [C]

100-100000

C D INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101005

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
4. LPH ROCHESTER G&E
5. LOCATION 2
6. DISCH GOV
7. TEST NO. TN10074 S

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [C] TE [KSI])
2. SUPPLIER: JCF
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C HN SI P CR HO V
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) [C]
2. 2160 (120%) (KSI) [C]

F. CRACK DATA (KEYWAY RADIUS (IN) [C])

1. A-CR-OP (1800 RPM) (IN.) [C]
2. A-CR-OS (OVERSPEED) (IN.) [C]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) [C]
2. ESTIMATED MAX DA/DT (IN/HR) [C]
3. ESTIMATED MAX DA/DT (IN/MONTH) [C]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) [C]
2. KEYWAY CRACK DEPTH (MAX.) (IN.) [C]
3. BORE CRACK DEPTH (MAX.) (IN.) [C]
4. DISK STATUS [C]

2: 11 - 10000

C INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101005

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT GINNA #1
3. CUSTOMER: ROCHESTER G&E
4. LP# 2
5. LOCATION GOV
6. DISC# 6
7. TEST NO. TN10094

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [C] TA [KSI])
2. SUPPLIER: JCF
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR HO V
NI AS SB SH AL CU S

E. BORE STRESS

SPEED (RPH) STRESS

1. 1800 (KSI) [C]
2. 2160 (120%) (KSI) [C]

F. CRACK DATA (KEYWAY RADIUS (IN.) [C])

1. A-CR-OP (1800 RPH) (IN.) [C]
2. A-CR-OS (OVERSPEED) (IN.) [C]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) [C]
2. ESTIMATED MAX DA/DT (IN/HR) [C]
3. ESTIMATED MAX DA/DT (IN/MONTH) [C]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) [C]
2. KEYWAY CRACK DEPTH (MAX.) (IN.) [C]
3. BORE CRACK DEPTH (MAX.) (IN.) [C]
4. DISK STATUS [C]

1000

C 3 INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101006

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER GGE
4. LPH 2
5. LOCATION GEN
6. DISC 1
7. TEST NO. TN10088

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. C) T8
2. SUPPLIER: JCF J(KSI)
3. Y.S. (KSI) C J
4. U.T.S. (KSI) C J
5. ELONGATION C J
6. R.A. C J
7. FATT (DEG.F) C J
8. R.T. IMPACT (FT.LB.) C J
9. U.S. IMPACT TEMP. (DEG.F) C J
10. U.S. IMPACT ENG. (FT.LB.) C J
11. U.S. KIC (KSI*SQRT(IN.)) C J

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI) C J
2. U.T.S. (KSI) C J
3. ELONGATION C J
4. R.A. C J
5. FATT (DEG.F) C J
6. R.T. IMPACT (FT.LB.) C J
7. U.S. IMPACT TEMP. (DEG.F) C J
8. U.S. IMPACT ENG. (FT.LB.) C J
9. U.S. KIC (KSI*SQRT(IN.)) C J

D. CHEMISTRY

C MN SI P CR MO V
NI AS SB SH AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) C J
2. 2160 (120%) (KSI) C J

F. CRACK DATA (KEYWAY RADIUS (IN) C J)

1. A-CR-OP (1800 RPM) (IN.) C J
2. A-CR-OS (OVERSPEED) (IN.) C J

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C J
2. ESTIMATED MAX DA/DT (IN/HR) C J
3. ESTIMATED MAX DA/DT (IN/MONTH) C J

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C J
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C J
3. BORE CRACK DEPTH (MAX.)-(IN.) C J
4. DISK STATUS C J

C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101006

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
4. LPR ROCHESTER G6E
5. LOCATION 2
6. DISCH GEN
7. TEST NO. TN10090

B. MATERIAL PROPERTIES (HUB)

1. TYPE TB
2. SUPPLIER: JCE
3. Y.S. (KSI) C
4. U.T.S. (KSI) C
5. ELONGATION C
6. R.A. C
7. FATT (DEG.F) C
8. R.T. IMPACT (FT.LB.) C
9. U.S. IMPACT TEMP. (DEG.F) C
10. U.S. IMPACT ENG. (FT.LB.) C
11. U.S. KIC (KSI*SQRT(IN.)) C

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI) C
2. U.T.S. (KSI) C
3. ELONGATION C
4. R.A. C
5. FATT (DEG.F) C
6. R.T. IMPACT (FT.LB.) C
7. U.S. IMPACT TEMP. (DEG.F) C
8. U.S. IMPACT ENG. (FT.LB.) C
9. U.S. KIC (KSI*SQRT(IN.)) C

D. CHEMISTRY

C HN C SI C P C CR C MO C V
C NI C AS C SB C SN C AL C CU C S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) C
2. 2160 (120%) (KSI) C

F. CRACK DATA (KEYWAY, RADIUS (IN.) C)

1. A-CR-OP (1800 RPM) (IN.) C
2. A-CR-OS (OVERSPEED) (IN.) C

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C
2. ESTIMATED MAX DA/DT (IN/HR) C
3. ESTIMATED MAX DA/DT (IN/MONTH) C

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C
3. BORE CRACK DEPTH (MAX.)-(IN.) C
4. DISK STATUS C



Page 21

DATE OF REPORT : 092280

ID #: 0080101006

LP TURBINE DISC INFORMATION

B. MATERIAL PROPERTIES (HUB)

C. MATERIAL PROPERTIES (RIM)

```

1. TYPE (MIN. Y.S. C (KSI)) TB
2. SUPPLIER JCF
3. Y.S. (KSI) C
4. U.T.S. (KSI) C
5. ELONGATION C
6. R.A. C
7. FATT (DEG.F) C
8. R.T. IMPACT (FT.LB.) C
9. U.S. IMPACT TEMP. (DEG.F) C
10. U.S. IMPACT ENG. (FT.LB.) C
11. U.S. KIC (KSI*SQRT(IN.)) C

```

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP.
(DEG.F)
8. U.S. IMPACT ENG.
(FT.LB.)
9. U.S. KIC
(KSI*SQRT(IN.))

D. CHEMISTRY

C HI SI P CR HO V
HI AS SB SN AL CU S

E. BORE STRESS

1. 1800 (KS) €
2. 2160 (120%) (KS) €

F. CRACK DATA (KEYWAY RAD[US (IN) []]

2: A-CR-OS (OVERSPEED), (IN.), E

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) []
2. ESTIMATED MAX DA/DT (IN/HR) []
3. ESTIMATED MAX DA/DT (IN/MONTH) []

"H. INSPECTION" STATUS

```

1. OPERATING TIME AT INSPECTION (HR.) [ ]
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) [ ]
3. BORE CRACK DEPTH (MAX.)-(IN.) [ ]
4. DISK STATUS [ ]

```


C 3 INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101006

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER G&E
4. LPH 2
5. LOCATION GEN
6. DISCH 4
7. TEST NO. TN10083

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. C TB
J(KSI))
2. SUPPLIER JCF
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP.
(DEG.F)
10. U.S. IMPACT ENG.
(FT.LB.)
11. U.S. KIC
(KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP.
(DEG.F)
8. U.S. IMPACT ENG.
(FT.LB.)
9. U.S. KIC
(KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR MO V
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) C J
2. 2160 (120%) (KSI) C J

F. CRACK DATA (KEYWAY RADIUS (IN.) C J)

1. A-CR-OP (1800 RPM) (IN.) C J
2. A-CR-OS (OVERSPEED) (IN.) C J

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C J
2. ESTIMATED MAX DA/DT (IN/HR) C J
3. ESTIMATED MAX DA/DT (IN/MONTH) C J

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C J
2. KEYWAY CRACK DEPTH (MAX.) (IN.) C J
3. BORE CRACK DEPTH (MAX.) (IN.) C J
4. DISK STATUS C J



100-100000-100000

C 3 INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101006

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER G&E
4. LPH 2
5. LOCATION GEN
6. DISC# 5
7. TEST NO. TH10078

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. C J(KSI))
2. SUPPLIER: JCF
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C NH SI P CR HO Y
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800
2. 2160 (120%) (KSI) C J

F. CRACK DATA (KEYWAY RADIUS (IN.) C J)

1. A-CR-OP (1800 RPM) (IN.) C J
2. A-CR-OS (OVERSPEED) (IN.) C J

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C J
2. ESTIMATED MAX DA/DT (IN/HR) C J
3. ESTIMATED MAX DA/DT (IN/MONTH) C J

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C J
2. KEYWAY CRACK DEPTH (MAX.) (IN.) C J
3. BORE CRACK DEPTH (MAX.) (IN.) C J
4. DISK STATUS C J



C INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101006

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GTHNA #1
ROCHESTER G&E
4. LPH 2
5. LOCATION GEN
6. DISCH 6
7. TEST NO. TH10093

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [] (KSI))
2. SUPPLIER: JCF
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR MO V
NI AS SB SH AL CU S

E. BORE STRESS

SPEED (RPH) STRESS

1. 1800 (KSI) []
2. 2160 (120%) (KSI) []

F. CRACK DATA (KEYWAY RADIUS (IN.) [])

1. A-CR-OP (1800 RPH) (IN.) []
2. A-CR-OS (OVERSPEED) (IN.) []

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) []
2. ESTIMATED MAX DA/DT (IN/HR) []
3. ESTIMATED MAX DA/DT (IN/MONTH) []

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) []
2. KEYWAY CRACK DEPTH (MAX.) (IN.) []
3. BORE CRACK DEPTH (MAX.) (IN.) []
4. DISK STATUS []



100-101000-10

C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101001

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER G&E
4. LPA FLOOR
5. LOCATION GOV
6. DISC# 1
7. TEST NO. TD20803

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. C VQ
(KSI)) J(KSI))
2. SUPPLIER: MIDVALE HEPPENSTALL
3. Y.S. (KSI) C
4. U.T.S. (KSI) C
5. ELONGATION C
6. R.A. C
7. FATT (DEG.F) C
8. R.T. IMPACT (FT.LB.) C
9. U.S. IMPACT TEMP. (DEG.F) C
10. U.S. IMPACT ENG. (FT.LB.) C
11. U.S. KIC (KSI*SQRT(IN.)) C

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI) C
2. U.T.S. (KSI) C
3. ELONGATION C
4. R.A. C
5. FATT (DEG.F) C
6. R.T. IMPACT (FT.LB.) C
7. U.S. IMPACT TEMP. (DEG.F) C
8. U.S. IMPACT ENG. (FT.LB.) C
9. U.S. KIC (KSI*SQRT(IN.)) C

D. CHEMISTRY

C --- MN --- SI --- P --- CR --- MO --- V ---
NI --- AS --- SB --- SH --- AL --- CU --- S ---

E. BORE STRESS

SPEED (RPM) STRESS
1. 1800 (KSI) C
2. 2160 (120%) (KSI) C

F. CRACK DATA (KEYWAY RADIUS (IN.) C)

1. A-CR-OP (1800 RPM) (IN.) C
2. A-CR-OS (OVERSPEED) (IN.) C

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C
2. ESTIMATED MAX DA/DT (IN/HR) C
3. ESTIMATED MAX DA/DT (IN/MONTH) C

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C
3. BORE CRACK DEPTH (MAX.)-(IN.) C
4. DISK STATUS C



[] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101001

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER G&E
4. LPH FLOOR
5. LOCATION GOV
6. DISCH 2
7. TEST NO. TDIS003

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [] TO [] (KSI))
2. SUPPLIER: MIDVALE-HEPPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C [] H [] SI [] P [] CR [] HO [] V []
HI [] AS [] SB [] SN [] AL [] CU [] S []

E. BORE STRESS

SPEED (RPM) STRESS
1. 1800 (KSI) []
2. 2160 (120%) (KSI) []

F. CRACK DATA (KEYWAY RADIUS (IN.) [])

1. A-CR-OP (1800 RPM) (IN.) []
2. A-CR-OS (OVERSPEED) (IN.) []

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) []
2. ESTIMATED MAX DA/DT (IN/HR) []
3. ESTIMATED MAX DA/DT (IN/MONTH) []

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) []
2. KEYWAY CRACK DEPTH (MAX.) (IN.) []
3. BORE CRACK DEPTH (MAX.) (IN.) []
4. DISK STATUS []

10-10-10

C INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101001

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINHA #1
ROCHESTER G&E
4. LPH FLOOR
5. LOCATION GOV
6. DISC 3
7. TEST NO. T014996

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. (KSI)) YD
2. SUPPLIER: MIDVALE HEPPESTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR HO V
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) C
2. 2160 (120%) (KSI) C

F. CRACK DATA (KEYWAY RADIUS (IN.) C)

1. A-CR-OP (1800 RPM) (IN.) C
2. A-CR-OS (OVERSPEED) (IN.) C

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C
2. ESTIMATED MAX DA/DT (IN/HR) C
3. ESTIMATED MAX DA/DT (IN/MONTH) C

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C
3. BORE CRACK DEPTH (MAX.)-(IN.) C
4. DISK STATUS C

C INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101001

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER G&E
4. LP# FLOOR
5. LOCATION GOV
6. DISC# 4
7. TEST NO.: TD15006

B. MATERIAL PROPERTIES (HUB)

1. TYPE TC
(MIN. Y.S. (KSI))
2. SUPPLIER: MIDVALE HERPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP.
(DEG.F)
10. U.S. IMPACT ENG.
(FT.LB.)
11. U.S. KIC
(KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP.
(DEG.F)
8. U.S. IMPACT ENG.
(FT.LB.)
9. U.S. KIC
(KSI*SQRT(IN.))

D. CHEMISTRY

C NI MN SI P CR MO V
C AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS
1. 1600 (KSI) E
2. 2160 (120%) (KSI) E

F. CRACK DATA (KEYWAY RADIUS (IN))

1. A-CR-OP (1800 RPM) (IN.) E
2. A-CR-OS (OVERSPEED) (IN.) E

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F)
2. ESTIMATED MAX DA/DT (IN/HR)
3. ESTIMATED MAX DA/DT (IN/MONTH)

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.)
2. KEYWAY CRACK DEPTH (MAX.) (IN.)
3. BORE CRACK DEPTH (MAX.) (IN.)
4. DISK STATUS

C INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101001

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: - GINNA #1
ROCHESTER G&E
4. LP# FLOOR
5. LOCATION GOV
6. DISCH 5
7. TEST NO. TD5321

B. MATERIAL PROPERTIES (HUB)

1. TYPE TB
(MIN. Y.S. (KSI))
2. SUPPLIER: MIDVALE HEPPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C --- MN --- SI --- P --- CR --- MO --- V ---
C HI --- AS --- SB --- SN --- AL --- CU --- S ---

E. BORE STRESS

SPEED (RPH) STRESS

1. 1800 (KSI) C
2. 2160 (120%) (KSI) C

F. CRACK DATA (KEYWAY RADIUS (IN) C)

1: A-CR-0P (1800 RPH) (IN.) C
2: A-CR-0S (OVERSPEED) (IN.) C

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C
2. ESTIMATED MAX DA/DT (IN/HR) C
3. ESTIMATED MAX DA/DT (IN/MONTH) C

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C
3. BORE CRACK DEPTH (MAX.)-(IN.) C
4. DISK STATUS C

C 3 INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101001

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
4. LPH ROCHESTER
5. LOCATION FLOOR
6. DISC# GOV
7. TEST NO. TD14988

B. MATERIAL PROPERTIES (HUB)

1. TYPE TB
(MIN. Y.S. C (KSI))
2. SUPPLIER: MIDVALE HEPPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP.
(DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP.
(DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR MO V
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) C
2. 2160 (120%) (KSI) C

F. CRACK DATA (KEYWAY RADIUS (IN.))

1. A-CR-OP (1800 RPM) (IN.) C
2. A-CR-OS (OVERSPEED) (IN.) C

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C
2. ESTIMATED MAX DA/DT (IN/HR) C
3. ESTIMATED MAX DA/DT (IN/MONTH) C

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C
2. KEYWAY CRACK DEPTH (MAX.) (IN.) C
3. BORE CRACK DEPTH (MAX.) (IN.) C
4. DISK STATUS C

[] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101002

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINMA #1
ROCHESTER
4. LPH
5. LOCATION
6. DISC
7. TEST NO. TD20832

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [] (KSI)) TC
2. SUPPLIER: BETHLEHEM STEEL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C. MN. S. P. CR. MO. V.
NI. AS. SB. SH. AL. CU. S.

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) []
2. 2160 (120%) (KSI) []

F. CRACK DATA (KEYWAY RADIUS (IN.))

1. A-CR-OP (1800 RPM) (IN.) []
2. A-CR-OS (OVERSPEED) (IN.) []

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) []
2. ESTIMATED MAX DA/DT (IN/HR) []
3. ESTIMATED MAX DA/DT (IN/MONTH) []

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) []
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) []
3. BORE CRACK DEPTH (MAX.)-(IN.) []
4. DISK STATUS []

[] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101002

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINHA #1
ROCHESTER GGE
4. LP# FLOOR
5. LOCATION GEN
6. DISC# 2
7. TEST NO. TD5002

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [] (KSI))
2. SUPPLIER: MIDVALE HEPPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C [] MN [] SI [] P [] CR [] NO [] V []
NI [] AS [] SB [] SN [] AL [] CU [] S []

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) []
2. 2160 (120%) (KSI) []

F. CRACK DATA (KEYWAY RADIUS (IN.) [])

1. A-CR-OP (1800 RPM) (IN.) []
2. A-CR-OS (OVERSPEED) (IN.) []

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) []
2. ESTIMATED MAX DA/DT (IN/HR) []
3. ESTIMATED MAX DA/DT (IN/MONTH) []

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) []
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) []
3. BORE CRACK DEPTH (MAX.)-(IN.) []
4. DISK STATUS []

February 12, 1981

Appendix B

Page 33

[] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

10 # : 0080101002

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80

2. UNIT GINNA #1
3. CUSTOMER: ROCHESTER G6E
4. LP# FLOOR
5. LOCATION GEN
6. DISC# 3
7. TEST NO. TD29800

B. MATERIAL PROPERTIES (HUB)

```

1. TYPE (MIN. Y.S. C MIDVALE J(KSI)) TO
2. SUPPLIER: - HIPPENSTALL
3. Y.S. (KSI) C
4. U.T.S. (KSI) C
5. ELONGATION C
6. R.A. C
7. FATT (DEG.F) C
8. R.T. IMPACT (FT.LB.) C
9. U.S. IMPACT TEMP. C
   (DEG.F)
10. U.S. IMPACT ENG. C
   (FT.LB.)
11. U.S. KIC C
   (KSI*SQRT(IN.))

```

C. MATERIAL PROPERTIES (RIM)

```

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP.
   (DEG.F)
8. U.S. IMPACT ENG.
   (FT.LB.)
9. U.S. KIC
   (KSI*SQRT(IN.))

```

D. CHEMISTRY

C HH SI P CR HO V
NI AS SB SN AL CU S

E. BORE STRESS

RE STRESS
SPEED (RPM) STRESS

1. 1600 (KSI) C
2. 2160 (120%) (KSI) C

F. CRACK DATA (KEYWAY, RADIUS (IN), C

1: A-CR-OP (1800 RPM) (IN.) E
2: A-CR-OS (OVERSPEED) (IN.) E

G. SERVICE DATA

```

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) [
2. ESTIMATED MAX DA/DT (IN/HR) [
3. ESTIMATED MAX DA/DT (IN/MONTH) [

```

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.)	C]
2. KEYWAY CRACK DEPTH (MAX.)-(IN.)	C]
3. BORE CRACK DEPTH (MAX.)-(IN.)	C]
4. DISK STATUS	C]

C J INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101002

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
4. LP# ROCHESTER GDE
5. LOCATION FLOOR
6. DISC# GEN
7. TEST NO. TD15005

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. [] TC [] (KSI))
2. SUPPLIER: MIDVALE-HERRENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C NH C SI C P C CR C HO C V
C NI C AS C SB C SH C AL C CU C S

E. BORE STRESS

SPEED (RPM) STRESS
1. 1800 (KSI) []
2. 2160 (120%) (KSI) []

F. CRACK DATA (KEYWAY RAD.(IN.) [])

1. A-CR-OP (1800 RPM) (IN.) []
2. A-CR-OS (OVERSPEED) (IN.) []

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) []
2. ESTIMATED MAX DA/DT (IN/HR) []
3. ESTIMATED MAX DA/DT (IN/MONTH) []

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) []
2. KEYWAY CRACK DEPTH (MAX.) (IN.) []
3. BORE CRACK DEPTH (MAX.) (IN.) []
4. DISK STATUS []



C] INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : 0080101002

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
4. LP# ROCHESTER
5. LOCATION G6E
6. DISC FLOOR
7. TEST NO. TD14994 GEN
5

B. MATERIAL PROPERTIES (HUB)

1. TYPE TC
(MIN. Y.S. (KSI))
2. SUPPLIER: MIDVALE HEPPENSTALL
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C] MH] SI] P] CR] MO] V]
NI] AS] SB] SN] AL] CU] S]

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI)]
2. 2160 (120%) (KSI)]

F. CRACK DATA (KEYWAY RADIUS (IN.)])

1. A-CR-OP (1800 RPM) (IN.)]
2. A-CR-OS (OVERSPEED) (IN.)]

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F)]
2. ESTIMATED MAX DA/DT (IN/HR)]
3. ESTIMATED MAX DA/DT (IN/MONTH)]

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.)]
2. KEYWAY CRACK DEPTH (MAX.)-(IN.)]
3. BORE CRACK DEPTH (MAX.)-(IN.)]
4. DISK STATUS]

C 3 INDICATES WESTINGHOUSE PROPRIETARY
LEVELS B,C,E

DATE OF REPORT : 092280

ID # : D080101002

LP TURBINE DISC INFORMATION

A. UNIT IDENTIFICATION

1. BUILDING BLOCK 80
2. UNIT
3. CUSTOMER: GINNA #1
ROCHESTER G&E
4. LPM FLOOR
5. LOCATION GEN
6. DISC 6
7. TEST NO. TD5355

B. MATERIAL PROPERTIES (HUB)

1. TYPE (MIN. Y.S. C) TB
2. SUPPLIER: MIDVALE HEPPESTALL J(KSI))
3. Y.S. (KSI)
4. U.T.S. (KSI)
5. ELONGATION
6. R.A.
7. FATT (DEG.F)
8. R.T. IMPACT (FT.LB.)
9. U.S. IMPACT TEMP. (DEG.F)
10. U.S. IMPACT ENG. (FT.LB.)
11. U.S. KIC (KSI*SQRT(IN.))

C. MATERIAL PROPERTIES (RIM)

1. Y.S. (KSI)
2. U.T.S. (KSI)
3. ELONGATION
4. R.A.
5. FATT (DEG.F)
6. R.T. IMPACT (FT.LB.)
7. U.S. IMPACT TEMP. (DEG.F)
8. U.S. IMPACT ENG. (FT.LB.)
9. U.S. KIC (KSI*SQRT(IN.))

D. CHEMISTRY

C MN SI P CR HO V
NI AS SB SN AL CU S

E. BORE STRESS

SPEED (RPM) STRESS

1. 1800 (KSI) C
2. 2160 (120%) (KSI) C

F. CRACK DATA (KEYWAY RADIUS (IN.) C)

1. A-CR-OP (1800 RPM) (IN.) C
2. A-CR-OS (OVERSPEED) (IN.) C

G. SERVICE DATA

1. OPER. TEMP. METAL TEMP. HUB (DEG.F) C
2. ESTIMATED MAX DA/DT (IN/HR) C
3. ESTIMATED MAX DA/DT (IN/MONTH) C

H. INSPECTION STATUS

1. OPERATING TIME AT INSPECTION (HR.) C
2. KEYWAY CRACK DEPTH (MAX.)-(IN.) C
3. BORE CRACK DEPTH (MAX.)-(IN.) C
4. DISK STATUS C

