

USA Ground Operations CIL Sheet

DEC 15 1999

Critical Item: Valve, Check

NASA Part No: None

Mfg/Part No: Stockham / G-939

System: Deluge Fire Extinguishing System

Criticality Category: 1S

Total Quantity: 1

Find No.	Qty	Area	PMN	Baseline	Drawing / Sheet
1P11CV2	1	LCC	K61-3377	443.00	79K16989 / 7

Function:

Prevent LCC Firex Water Supply from flowing back into the VAB Firex Deluge System.

Failure Mode No. Failure Mode	Failure Cause Failure Effect	Detection Method Time to Effect	Crit Cat
09SY33R-001.002 Fail closed	Corrosion, contamination, or failure of internal piece part. Loss of LCC Firex Water Supply from the VAB Firex Deluge System. Possibility of loss of life during a hazardous condition.	None Immediate	1S

ACCEPTANCE RATIONALE

Design:

- Cast iron body
- Bolted cap
- Full waterway
- Metal to metal seat
- Brass Hinge Pin
- Bronze Disc Ring

Test:

- OMI M6135 performs weekly, monthly, quarterly, semiannual and annual maintenance to ensure that the firex system is operational and performs as intended.
- OMI M3145 performs an annual validation which verifies the check valve is operational.
- OMRSD File VI requires annual verification of water flow.

Inspection:

- None

Failure History:

- Current data on test failures, unexplained anomalies, and other failures experienced during ground processing activities can be found in the PRACA database. The PRACA database was researched and no data was found on this component in the critical failure mode.

Operational Use:

Correcting Action	Timeframe
There is no action which can be taken to mitigate the failure effect.	Since no correcting action is available, timeframe does not apply.