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- Use Table 1 from research, or similar, to classify severity, Must reference Acceptance Criteria from Standards.]
 Justification for Severity Level: [Explanation of how the defect impacts structural integrity]
 Foot Cause Analysis (if applicable): [Material Fatigue, Corrosion, Manufacturing Defects, Overloading, Environmental Factors, etc.]
 Inthe to Structural Integrity Implications: [How the root cause affects the structural integrity]
 Decommendations
 Minediate Actions Required: [Temporary Support, Isolation, etc.]
 Justification for Immediate Actions: [Explanation of urgency]
 Acceptance Criteria]
 Supfication for Immediate Actions: [Explanation of urgency]
 Acceptance Criteria]
 Speciar or Reinforcement Recommendations: [Repair Methods, Materials, Procedures, Engineering Drawings]
 Follow-Up Testing Requirements: [Type of Testing, Extent, Acceptance Criteria]
 Signature: [Digital/Handwritten]
 Sentification Number: [e.g., ASNT Level II/III, ISO 9712]
 Personal Field of Application: [Weids, Castings, Forgings, etc.]
 Certification Expiration Date: [DVMM/YYYY]
 Personal Field of Application: [Weids, Castings, Forgings, etc.]
 Company Name: [Testing Company/Organization]

| i | Defect size and type are well within acceptable limits and pose no immediate or foreseeable threat to | Surface scratch not exceeding specified length and depth limits in a |
|------------------|--|--|
| | structural integrity or performance. | non-critical area as per [Specific Standard]. |
| (5 1 1 | Defect size or type slightly exceeds optimal conditions but does not significantly compromise structural integrity or performance under normal operating conditions. May require monitoring or future inspection. | Small corrosion pit within acceptable limits but showing signs of progression according to [Specific Standard]. |
| s i i | Defect size or type approaches or slightly exceeds critical limits, potentially impacting structural integrity or performance under certain loading conditions. Repair or increased monitoring may be necessary. | Crack length nearing the maximum allowable limit specified in [Specific Design Code] for a secondary structural member. |
| e i 1 1 | Defect size or type significantly exceeds critical limits, posing an immediate threat to structural integrity and potentially leading to failure under anticipated loads. Immediate repair or replacement is required. | Crack exceeding the allowable size for a primary load-bearing element according to [Specific Standard]. |