

MMS INSPECTIONS

Pedestal Crane Safety Workshop & Exhibition

November 10, 2004

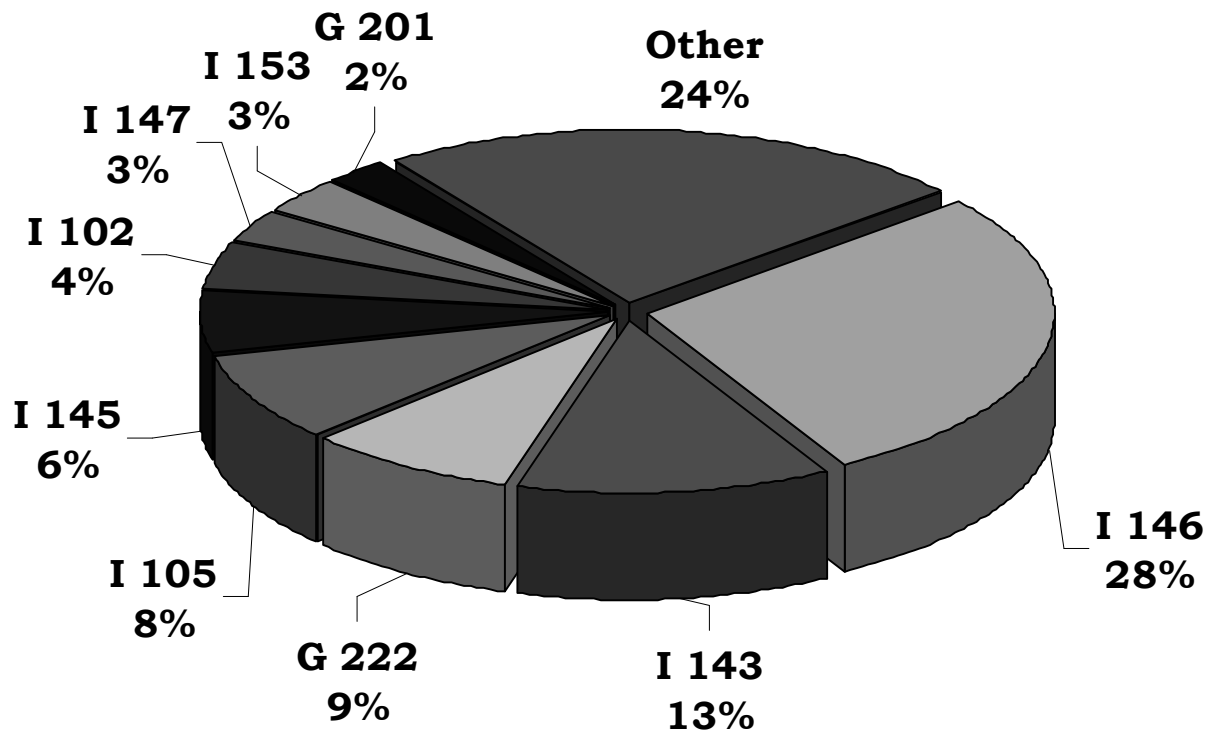
Russell Hoshman

Minerals Management Service

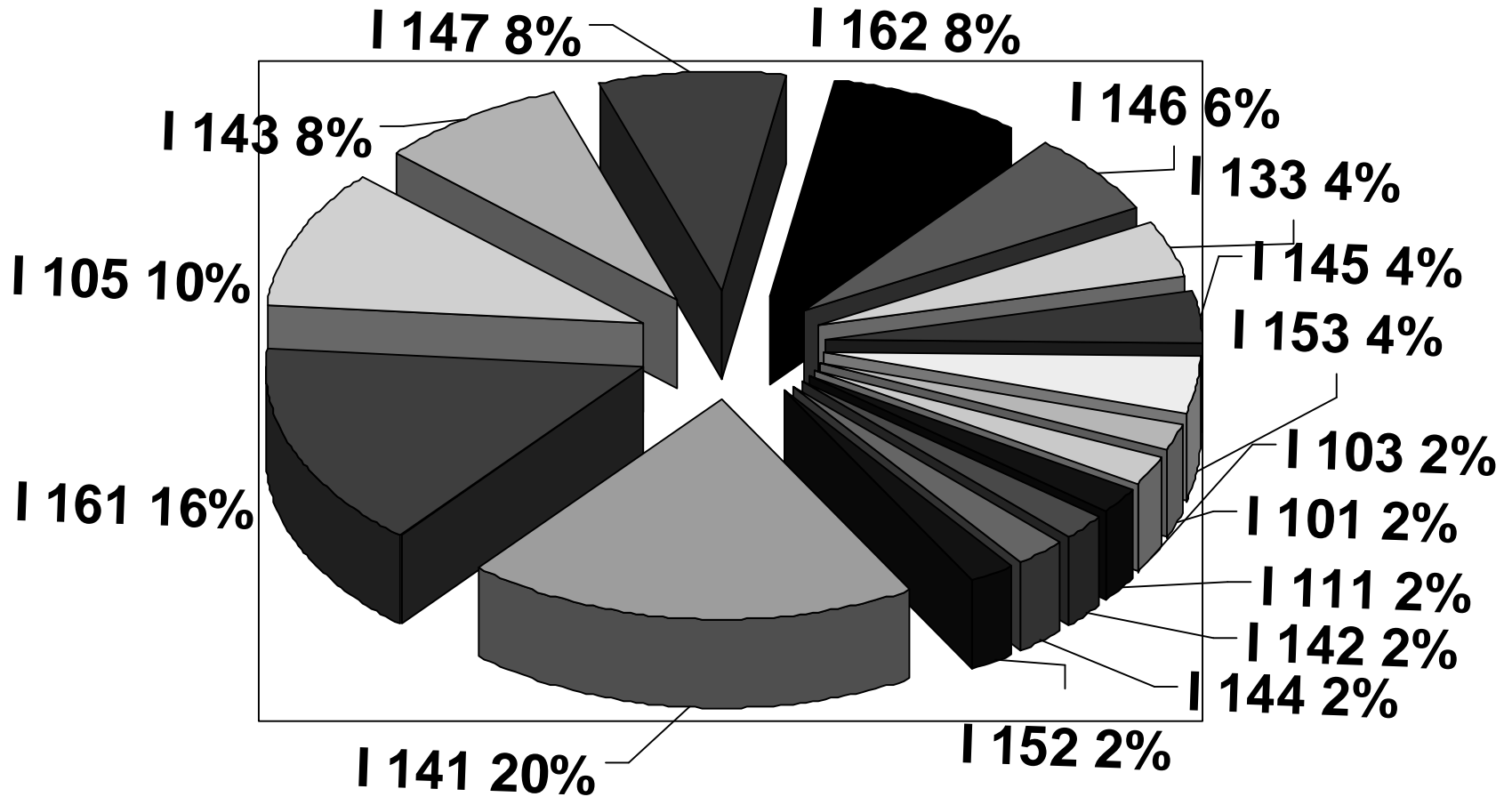
Gulf of Mexico – OCS Region



OCS Crane INC's 1997 - 2003



2004 CRANE INC'S



Inspection

- I-101: Whenever there is any doubt as to safety, does the crane operator stop and refuse to handle loads? API 2D 3.1.5.a
- I-102: Are proper crane operating practices for attaching and moving the load being used? API 2D 3.2.1, 3.2.2 and 3.2.3
- I-103: Are proper procedures for personnel transfer performed? API 2D 3.4 and Appendix B, C.3.4.



Inspection

- I-104: Are cranes that are positioned in the proximity of the helideck or approach / takeoff zones not operated during helicopter operation? API 2D 3.1.5.i.
- I-105: If deficiencies that impair safe operation are known, is the crane taken out of service or its operation restricted to eliminate the unsafe condition? API 2D 3.1.5.c.



Inspection

- I-111: 2C cranes. Is an operable swing brake mechanism installed that is capable of smooth starts and stops with controllable rates of acceleration and deceleration? API SPEC 2C 8.1
- I-112: 2C cranes. Is an operable boom hoist high limiter or shutoff provided to stop the boom hoist automatically when the boom reaches a predetermined high angle? API 2C SPEC 12.1.a.



Inspection

- I-113: 2C cranes. Are boom stops provided to resist the boom falling backward in a high wind or sudden release of the load? API 2C SPEC 12.1.b.
- I-114: 2C cranes. Is a boom angle or load radius indicator readable from the operator's station? API 2C SPEC 12.1.e.
- I-115: 2C cranes. Have securely fastened guards been installed on exposed moving parts that may constitute a hazard? API SPEC 2C 12.2.



Inspection

- I-116: 2C cranes or any crane after March 2005. Has an anti-two block device been provided to protect hoist ropes, structural components and machinery from damage that may occur when two sheave groups come into contact as the hoist cable is drawn in? API SPEC 2C 12.6.
- I-117: Is there a fire extinguisher of appropriate size and type kept in the cab or vicinity of the crane? API RP 2D 3.5.2.



Inspection

- I-131: Is the correct load rating chart for the crane configuration in use at the primary control station? API RP 2D 3.2.1.
- I-132: Are there written reports on load testing prepared by a qualified crane inspector showing load test procedures and results when load tests are required? API RP 2D 4.2.3.
- I-134: Have static and dynamic load rating charts been established for all cranes? API RP 3.1.5.h.



Inspection

- I-134: 2C cranes. Is the load block rating label permanently affixed to the hook block? API Spec 2C 6.5.4.
- I-141: Have manufacturer's recommendations been included in establishing all inspection requirements? API RP 2D 4.1.2 and Appendix C.



Inspection

- I-142: Have new or relocated cranes received an initial inspection by a qualified inspector and the records maintained at an appropriate location? API RP 2D 4.1.2.1. & 4.2.2.
- I-143: Have pre-use inspections been performed prior to use by a qualified crane operator/inspector and the records maintained at an appropriate location? API RP 2D 4.1.1.1. & 4.1.2.2.



Inspection

- I-144: Have monthly inspections been performed by a qualified crane operator/inspector and the records maintained at an appropriate place? API RP 2D 4.1.2.3. & 4.2.2.
- I-145: Have quarterly inspections been performed by a qualified crane inspector and the records maintained at an appropriate place? API RP 2D 4.1.2.4. & 4.2.2.
- I-146: Have annual inspections been performed by a qualified crane inspector and the records maintained at an appropriate place? API RP 2D 4.1.1.1. , 4.1.2.5. & 4.2.2.



Inspection

- I-147: Has a wire rope inspection program been established and are inspection records maintained? API RP 2D 5.1.2.
- I-151: Has a preventative maintenance program been established with maintenance records readily available? API RP 2D 4.3.1.
- I-152: Are written reports confirming adequacy of repairs or alterations maintained? API RP 4.3.3.c.



Inspection

- I-153: Are repairs of critical components made promptly? API RP 2D 4.3.3.b.
- I-162: Are slings of all types, grades and construction identified (tagged)? API RP 2D 5.2.4.b.
- I-171: Are slings properly stored when not in use? API RP 2D Appendix G, C.5.2.1.
- Are slings in good working condition and are they being used properly? API RP 2D Appendix G.



Inspection

- Are all cranes installed on a platform erected after March 17, 2003 constructed to API SPEC 2C standards?
- Are all cranes manufactured after March 17, 2003 constructed to API SPEC 2C standards?
- I-181: Do only qualified personnel perform rigging operations? API RP 2D 2.3., 3.1.3. & 3.1.4.



Inspection

- I-182: Are cranes operated only by qualified personnel? API RP 2D 3.1.1.
- I-183: Are crane inspectors qualified? API RP 2D 2.2.
- Was a load test performed when the crane was installed or relocated? API RP 2D Appendix E



Comments / Questions

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