RIG INSPECTION SERVICES

GPS is providing the following kinds of inspection to Drilling / Work over Rigs and affiliates:
Full package rig inspection (including CAT.4).

To make full inspection to the rig parts / equipment according to

API 4F
Specification for Drilling and Well Servicing Structures.

API 4G
Operation, Inspection, Maintenance, and Repair of Drilling and Well Servicing Structures.

API 5D
Specification for Drill Pipe

API 7K
Drilling and Well Servicing Equipment

API 7L
Procedures for Inspection, Maintenance, Repair, and Remanufacture of Drilling Equipment.

API 8A
Specification for Drilling and Production Hoisting Equipment.

API RP 8B
Recommended Practice for Procedures for Inspections, Maintenance, Repair and Remanufacture of Hoisting Equipment.

API 8C
Drilling and Production Hoisting Equipment (PSL 1 and PSL 2)

API 9A
Specification for Wire Rope

API RP 7G - 2

API spec 7
Specification for Rotary Drill Stem Elements

ASTM E 213
Standard Practice for Ultrasonic Examination of Metal Pipe Tubing.

ASTM E 317

ASTM E 570
Standard Practice for Flux Leakage Examination of Ferro Magnetic Steel Tubular Product.

ASTM E 709
Standard Guide for Magnetic Particle Inspection.

ASTM E 1316
Standard Terminology for Non Destructive Examination.

ASTM E 1324

ASTM E 1359

ASTM E 1065
Standard Guide for Evaluating Characteristics of Ultrasonic Search Units.

ASTM RP 8B
Hoisting Equipment.

DS -1™
TH Hill Standard Drill Stem Design and Inspection.

EMQSP 6.5
Company SEA, MPI and Full Body Inspection System Prove-up.

EMQSP 6.9
Company Full-Length Pipe Body Inspection.

ISO TS 29001
Petroleum, Petrochemical and Natural Gas Industries – Sector Specific Quality Management Systems Requirements for product and Service Supply Organizations.

ISO 4309 & 4310
Crate-Teat Code and Procedures crane-wire rope-Care and Maintenance

ISO 9927-183
Crane-Inspection Part 1

BSI
British Standard Inspection.

NS-2
Drill String Inspection Standard, Fernley Proctor Group.

IEC 60079-10-1 ed1.0 (2008-12)
TC/SC 31J Explosive atmospheres Part 10-1: Classification of areas Explosive gas atmospheres.

IEC 60079-10-2 ed2.0 (2015-01)
TC/SC 31J Explosive atmospheres Part 10-2: Classification of areas Explosive dust atmospheres.

IEC 60079-14 ed5.0 (2013-11)
TC/SC 31J Explosive atmospheres Part 14: Electrical installations design, selection and erection.

IEC 60079-17 ed5.0 (2013-11)
TC/SC 31J Explosive atmospheres - Part 17: Electrical installations inspection and maintenance.
Rig Inspection Parts
1- Crown Block and Water Table
2- Cat line Boom and Hoist Line
3- Drilling Line
4- Monkey board
5- Traveling Block
6- Top Drive
7- Mast
8- Drill Pipe
9- Doghouse
10- Blowout Preventer
11- Water Tank
12- Electric Cable Tray
13- Engine Generator Sets
14- Fuel Tanks
15- Electric Control House
16- Mud Pump
17- Bulk Mud Components Storage
18- Mud Pits

Full Rig Inspection

Floor tools.
To be included:
- Power tong, casing tong, manual tong, elevator, slips, elevator link, chains, air winch, hydraulic winch, man-riding, load cell
- Pipe Racks, DP/DC/stabilizer/cross-over/sub/BHA, Baskets, Rig Tools Baskets
- All containers, Caravans, Fuel Tanks

Well Control System.
To be included:
- Accumulator, BOP’s, Chock Manifold, Hydraulic system etc.
- Kelly, Rotary table system, Swivel

Mast to be included:
- Crown Block, shelves, Rig Mast Sections, Derrick, Floor, Sub Structure, travel block, TDS, rising line, BOP crane trolley, cat line, stairs, V-Door, escape line

Draw works system:

Dead line anchor:

Mud system.
To be included:

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Requirements are provided to full package inspection of drilling / workover rigs.

Category IV - Category IV includes Category III requirements but adds disassembly, inspection, and cleaning required to conduct NDT of all defined critical areas. All welds are being visually examined and welds in critical areas should be inspected using magnetic particle or liquid penetrant method in accordance with Section 6 of AWS D1.1.

Category IV - Inspections should be conducted by or closely supervised by a professional engineer, original equipment manufacturer representative or other manufacturer of drilling structures' authorized representative. Category IV inspectors should satisfy the requirements of Category III inspectors and also be qualified to perform weld inspection.

Note - this type of inspection should be conducted closely or by representative of Origin Equipment's Manufacturer or another manufacturer of structure representative. All welds (100%) shall be visually examined.