



## ONAC ACREDITA A:

PERSON & SERVICES SAS

NIT. 901.844.615-1

Calle 147 97 19, Bogotá D.C., Colombia

La acreditación de este organismo de Evaluación de la Conformidad se ha realizado con respecto a los requisitos especificados en la norma:

### ISO/IEC 17020:2012

Requisitos para el funcionamiento de diferentes tipos de organismos que realizan la inspección

Esta Acreditación es aplicable al alcance establecido en el anexo de este certificado, identificado con el código:

## 25-OIN-014

Fecha de publicación  
del Otorgamiento:

2025-11-18

Fecha de Renovación:

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Director Ejecutivo

# ANEXO DEL CERTIFICADO

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| Código ámbito de inspección | Actividad de inspección                                                                                                                    | Documento normativo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Tipo de organismo de inspección |
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| 21                          | ESLINGAS – ASME B30.9                                                                                                                      | ASME B 30.9 - (2021) SLINGS<br>9-1.9.5 (a),(b),(c),(d),(e),(f),(g),(h),(i); Removal Criteria<br>9-2.9.5 (a),(b)(1)(2)(3)(4),(d),(e),(f),(g); Removal Criteria<br>9-5.9.5 (a),(b),(c),(d),(e),(f),(g),(h),(i); Removal Criteria<br>9-6.9.5(a),(b),(c),(d),(e),(f),(g),(h). Removal Criteria                                                                                                                                                                                                                                                             | A                               |
| 21                          | INSPECCIÓN DE ACCESORIOS PARA IZAJE (RIGGING HARDWARE): GRILLETES, TENSORES Y CÁRCAMOS, BLOQUES DE CARGA, ESLABONES Y SWIVEL – ASME B30.26 | ASME B 30.26 – (2015) R2020 RIGGING HARDWARE<br>26-1.5.1 Shackle Body Identification<br>26-1.8.5 Removal Criteria (a)(b)(c)(d)(e)(g)(h)(i)(j)<br><br>26-2.5.1 Turnbuckle, Eyebolt, and Eye Nut Identification<br>26-2.5.2 Swivel Hoist Ring Identification<br>26-2.8.5 Removal Criteria (a)(b)(c)(d)(e)(g)(h)(j)<br><br>26-4.5.1 Links, Master Link Subassemblies, Rings, and Swivels Identification<br>26-4.8.5 Removal Criteria (a)(b)(c)(d)(e)(g)(h)(i)(j);<br><br>26-5.5.1 Marking<br>26-5.8.5 Removal Criteria (a)(c)(d)(e)(f)(g)(h)(k)(l)(m)(n); | A                               |
| 21                          | GANCHOS – ASME B30.10                                                                                                                      | ASME B 30.10 - (2024) HOOKS<br>10-1.10.5 (a)(b)(c)(d)(f)(h)(i)(j)(k)(l)(m) Removal Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A                               |
| 22                          | INSPECCIÓN POR LÍQUIDOS PENETRANTES                                                                                                        | ASTM E 165/E165M-23.<br>1. Scope,<br>1.1;<br>1.5.<br>3. Terminology,<br>3.1<br>4. Summary or practice,<br>4.1<br>6. Classification of Penetrant Materials and Methods,<br>6.1;<br>6.3 Visible Penetrant Testing (Type II)<br>7. Materials<br>7.1 Liquid Penetrant Testing Materials<br>7.2.3 Solvent-removable Penetrants<br>7.5.3 Nonaqueous Wet Developers<br>8. Procedure<br>8.2 Temperature Limits<br>8.4 Precleaning<br>8.4.1 Drying after Cleaning                                                                                               | A                               |

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|-----------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 22                          | INSPECCIÓN POR LÍQUIDOS PENETRANTES | <p>8.5 Penetrant Application<br/>8.5.1 Penetrant Dwell Time<br/>8.6.4 Removal of Solvent-Removable Penetrant (Method C)<br/>8.7 Drying<br/>8.8 Developer Application<br/>8.8.3 Application of Nonaqueous Wet Developer (Forms D and E) 8.8.4 Developing Time<br/>8.9 Examination<br/>8.9.2 Visible Light Examination<br/>8.9.3 Evaluation of Indications<br/>8.9.5 Post-Examination Cleaning<br/>8.10 Postexamination Handling<br/>10. Qualification and Requalification<br/>10.1 Personnel Qualification</p> <p>Criterios de aceptación y rechazo:<br/>ANSI ITSDf B 56.6 (2020)<br/>7.3 Inspection and Repair of Forks<br/>7.3 (b) (1) Surface Cracks<br/>ANSI ITSDf B 56.1 (2020)<br/>6.2.8.1 Inspection<br/>6.8.1 (a) Surface Cracks<br/>ASME B30.5-2021,<br/>5-2.1.3 Periodic Inspection (a); (c); (i)<br/>ASME B30.10-2024<br/>10-2.10.5 Removal Criteria<br/>10-2.10.5 (d) cracks, nicks, or gouges<br/>ASME B30.22 – 2023<br/>22-2.1.4 Periodic Inspection<br/>22-2.1.4 (a); (c); (d); (i).<br/>AWS D14.0 (2024) sistemas de elevación de personas canastas 11.4.4 (1) – (a) (figura 11.1)<br/>11.8.2.1 (1), (2).<br/>AWS D14.0 (2024) accesorios de izaje estructuras de servicio, juntas soldadas, Soldaduras de maquinaria y equipo<br/>11.4.4 (1) – (a) (figura 11.1)<br/>11.8.2.1 (1), (2)<br/>AWS D14.0 (2024) Indicaciones en superficies en piezas o componentes sin soldadura como pasadores corbatines<br/>11.4.4 (1) – (a) (figura 11.1)<br/>11.8.2.1 (1), (2)</p> <p>Indicaciones en superficies en piezas o componentes sin soldadura como pasadores corbatines según instructivo interno INS-OIN-039 V1 Numeral 18</p> <p>AWS D11/D11M:2025 soldadura estructural acero<br/>8.10.1 tabla 8.1</p> | A                               |

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| 22                          | INSPECCIÓN POR PARTÍCULAS MAGNÉTICAS HÚMEDAS | ASTM E3024/E3024M-22a<br>1.1 Scope<br>1.3 Agreement Between Parties<br>1.5 Safety Considerations<br>3.1 Definitions<br>5.1 Personnel Qualification<br>5.3.1.2 Part Identification<br>5.3.1.6 Examination Areas<br>5.5.2 Wet Particle Requirements<br>5.5.2.2 White Background and Black Oxide<br>6.1.1 Pre-examination Demagnetization<br>6.1.2 Surface Cleanliness and Finish<br>6.2.3 Yokes<br>6.2.3.1 Yoke Pole Positioning<br>6.2.3.5 Yoke Orientation for Welds<br>6.2.5 Magnetic Field Directions<br>6.2.8 Indirect Magnetization<br>6.4.2 Wet Magnetic Particle Application, Continuous Method<br>6.5 Evaluation<br>6.5.3 Acceptance Requirements<br>6.6 Recording of Indications<br>6.6.4 Photography of Indications<br>6.7 Post-Examination Demagnetization and Cleaning<br>6.7.1.1 AC Demagnetization<br>6.7.2 Post-Examination Cleaning<br>6.8 Record of Examination<br>6.9 Marking of Accepted Parts<br>7.3.1 Visible Light<br>7.3.1.1 Minimum Visible Light Intensity<br>7.4 Equipment Calibration<br>7.4.4 Dead Weight Check<br>ASTM E3024/E3024M-22a Tabla 1<br>ASTM E3024/E3024M-22A X4. Indicador de campo tipo pastel<br>Criterios de aceptación y rechazo:<br>ANSI ITSDF B 56.1 (2020)<br>6.2.8.1 Inspection<br>6.8.1 (a) Surface Cracks<br>ANSI ITSDF B 56.6 (2020)<br>7.3 b(1)<br>ASME B30.5-2021,<br>5-2.1.3 Periodic Inspection (a); (c); (i)<br>ASME B30.10-2024<br>10-2.10.5 Removal Criteria<br>10-2.10.5 (d) cracks, nicks, or gouges | A                               |

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| 22                          | INSPECCIÓN POR PARTÍCULAS MAGNÉTICAS HÚMEDAS | ASME B30.22 – 2023<br>22-2.1.4 Periodic Inspection<br>22-2.1.4 (a); (c); (d); (i).<br>AWS D 14.0 2024 sistemas de elevación de personas canastas<br>11.4.4 (1) – (a) (figura 11.1)<br>11.7.2.1<br>AWS D 14.0 2024 accesorios de izaje estructuras de servicio, juntas soldadas, Soldaduras de maquinaria y equipo<br>11.4.4 (1) – (a) (figura 11.1)<br>11.7.2.1<br>Indicaciones en superficies en piezas o componentes sin soldadura como pasadores corbatines según instructivo interno INS-OIN-038 V1 Numeral 17<br><br>NOM-068-SCT-2-2014 Tablas 4.3 Tercera sección Tabla LXXIX DISPOSITIVOS DE ACOPLAMIENTO Y ENGANCHE DE REMOLQUE Y SEMIRREMOLQUE Numerales – Quinta Rueda (d)<br>SAE J 2228-2011<br>3 Figura 2<br>AWS D11/D11M:2025 soldadura estructural acero<br>8.10.1 tabla 8.1                                       | A                               |
| 22                          | INSPECCIÓN POR ULTRASONIDO                   | ASTM E797 M 21 Standard practice for Measuring Thickness by Manual ultrasonic pulse Echo -contact method.<br><br>Criterios de aceptación y rechazo: Tubería, laminas, tanques de acero al carbono, materiales ferrosos, según instructivo interno INS-OIN-037 V1 numeral 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A                               |
| 21                          | GRÚAS DE PLUMA ARTICULADA - ASME B30.22      | ASME B 30.22 – 2023 ARTICULATING BOOM CRANES<br>22-1.1.3 Load Rating Charts (a);<br>22-1.2.1 Inner, Outer, and Jib Boom Lift Mechanism (b);<br>22-1.2.2 Telescoping Boom(s) (c);<br>22-1.2.3 Winch Assembly (b)(2), (b)(4);<br>22-1.2.3 Two-Block Damage-Prevention System. (c);<br>22-1.2.3 Cylinders With Rope Reeving (d)(3), (d)(4);<br>22-1.3.1: Swing Control<br>22-1.3.2 Swing Braking Means and Locking Devices (a)(b);<br>22-1.5.2 Load Hooks, Ball Assemblies, and Load Blocks (a)(b)(e);<br>22-1.5.3 (a)(b)(c)(d);<br>22-1.5.4 (a)(b)(c)(d);<br>22-1.5.6;<br>22-1.6.1 General (a)(b)(c);<br>22-1.6.3 Wiretess (Radio) Remote Controls (a)(b)(c)(d);<br>22-1.7.2: Exhaust Gases<br>22-1.8.1; WeLding<br>22-1.8.2.1: Two-Block Damage Prevention System or Anti-Two-Block Device.<br>22-1.8.2.3; Crane Level Indicator. | A                               |

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| 21                          | GRÚAS DE PLUMA ARTICULADA - ASME B30.22                                                        | 22-18.3 Hydraulic and Pneumatic Line Protection (a);<br>22-18.5 Stabilizers (a)(b)(c)(d);<br>22-18.7 Miscellaneous Equipment (b)(c);<br>22-18.7.1; Cabs<br>22-19; OPERATING MANUAL<br>22-2.1.3; Frequent Inspection<br>22-2.1.4; Periodic Inspection<br>22-2.1.5; Operational Aids<br>22-2.2.2 Load Test (b);<br>22-2.3.1 Preventive Maintenance (a);<br>22-2.4.2                                                                                                                                                                                  | A                               |
| 21                          | INSPECCIÓN DE ACCESORIOS PARA IZAJE: DISPOSITIVOS UBICADOS POR DEBAJO DEL GANCHO - ASME B30.20 | ASME B 30.20-2021 BELOW THE HOOK LIFTING DEVICES<br>20-1.2.1 Marking (b1) (b2);<br>20-1.3.7 Removal Criteria (a)(b)(c )(d)(e)(f)(h)(l)(n)                                                                                                                                                                                                                                                                                                                                                                                                          | A                               |
| 21                          | POLIPASTOS (SUPERIORES, COLGANTES Y /O ESTACIONARIOS) ASME B30.16                              | ASME B30.16-2022 Overhead and Underhung Stationary Hoist<br>16-1.1.1; Rated Load<br>16-1.1.3; Identification (a)(1), (b)(1);<br>16-1.2.9; Hooks<br>16-2.1.4 Frequent Inspection (d)(1),(d)(3),(d)(6),(d)(8- a),(d)(8-b); 16-2.1.5 Periodic Inspection (e)(2), (e)(3),(e)(4), (e)(5), (e)(6), (e)(8), (e)(g);                                                                                                                                                                                                                                       | A                               |
| 21                          | POLIPASTO MANUAL DE PALANCA-ASME B30.21                                                        | ASME B30.21 – (2025) LEVER HOIST<br>21-2.1.4 Frequent Inspection (a), (d)(1), (d)(2), (d)(3), (d)(4), (d)(7), (d)(8), (d)(9);<br>21-2.1.5 Periodic Inspection (a), (e)(2), (e)(3), (e)(4), (e)(6), (e)(7), (e)(g)                                                                                                                                                                                                                                                                                                                                  | A                               |
| 20                          | INSPECCIÓN DE MAQUINARIA PARA MOVIMIENTO DE TIERRAS: BAJO BS EN 474-1 O UNE EN 474-1           | BS EN 474-1: 2022 Earth Moving Machinery – Safety.<br>4.1; General<br>4.3.1.4; Engine Exhaust<br>4.3.2.3; Alternative opening (emergency exit)<br>4.3.2.5; Doors and windows<br>4.3.2.6; Inner lighting<br>4.4.1.1; General requirement<br>4.5.1 General (d) (e) (f);<br>4.5.3 Inadvertent activation (a)(b);<br>4.5.4; Pedals<br>4.5.8.1; Control panels<br>4.5.9; Controls of ride-on machinery accessible from ground level<br>4.6.1; General<br>4.7.1; General<br>4.8.2; Lighting, signaling and marking light, and reflex- reflector devices. | A                               |

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| 20                          | INSPECCIÓN DE MAQUINARIA PARA MOVIMIENTO DE TIERRAS: BAJO BS EN 474-1 O UNE EN 474-1 | 4.9; Forward horns and machine safety labels<br>4.10; Tyres and rims<br>4.11; Stability<br>4.17.7; Batteries<br>4.18.1; General<br>4.19.1; General<br>4.20.2; Fire Extinguisher<br>4.22.2; Routine maintenance<br>4.22.4; Acces to the engine compartment<br>6.2; Machine safety labels<br>6.3.5; Operators manual accessibility<br>6.4 Machine marking (a)(c)(f)<br>Anexo B.6; Falling down protection for the operator<br>ANSI/ITSDF B56.1-2020 5.5.1 (h);<br>ANSI/ITSDF B56.1-2020 6.2.8 Inspection and repair of forks in service on fork lift trucks (a);<br>ANSI/ITSDF B56.1-2020 6.2.8.1 Inspection (b) (c) (d) (e) (f)(1) (2) (g);<br>ANSI/ITSDF B56.1-2020 7.27.1;<br>ANSI/ITSDF B56.1-2020 7.27.2;                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| 21                          | GRÚAS MÓVILES Y FERROVIARIAS - ASME B30.5                                            | ASME B30.5 - (2021) MOBILE AND LOCOMOTIVE CRANES<br>5-1.1.3; Load Rating Chart<br>5-1.3.1 Boom Hoist Mechanism (c);<br>5-1.1 Load Ratings and Technical Information (a)(b);<br>5-1.3.1 Boom Hoist Mechanism (d);<br>5-1.3.2 Load Hoist Mechanism (a)(2)(-a)(-b)(-c), (a)(4);<br>5-1.4.2; Swing Braking Means and Locking Device<br>5-1.6.1 General (a)(b)(d)(e);<br>5-1.6.3; Power Plant Controls<br>5-1.6.4; Engine Clutch<br>5-1.7.2 Ropes (a)(b);<br>5-1.7.4 Sheaves (a)(b)(d)(c);<br>5-1.8.1 Construction (f);<br>5-1.8.2 Platforms to Cab (a);<br>5-1.8.3; Access to Cab<br>5-1.8.4; Cab Roof<br>5-1.9.1 Booms (d)(f)(e)(c);<br>5-1.9.2; Exhaust Gases<br>5-1.9.3 Outriggers (e)(1)(2);<br>5-1.9.7 Guards for Moving Parts (a);<br>5-1.9.8; Clutch and Brake Protection<br>5-1.9.9; Hydraulic and Pneumatic Line Protection<br>5-1.9.10.1 Two-Blocking Features. (a)(b);<br>5-1.9.10.2; Load Indicators, Rated Capacity Indicators, and Rated Capacity Limiters.<br>5-1.9.10.3; Boom Angle or Radius Indicator.<br>5-1.9.10.4; Boom Hoist Disconnect, Shutoff, or Hydraulic Relief. | A                               |

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| 21                          | GRÚAS MÓVILES Y FERROVIARIAS - ASME B30.5                                                         | 5-1.9.10.5; Boom Length Indicator.<br>5-1.9.10.6; Crane Level Indicator.<br>5-1.9.12. Miscellaneous Equipment (c)(d)(g)(c);<br>5-2.1.3 Periodic Inspection (a)(b)(d)(c)(e)(g)(k)(h)(i)(j)(l)(m)(n)(o)(f);<br>5-2.1.2 Frequent Inspection (a)(b)(c)(d)(j)(g)(h)(f)(i)(e);<br>5-2.1.4 Cranes Not in Regular Use (a);<br>5-2.1.6 Operational Aids (b);<br>5-2.2.1 Operational Tests (a);<br>5-2.3.1 Preventive Maintenance (a);<br>5-2.3.3 Adjustments and Repairs (d);<br>5-2.4.2; Inspection<br>5-2.4.3 Rope Replacement (b);<br>5-3.1.3.11 Crane Owner. (e);<br>5-3.2.1.6; Wind Speed Device.<br>5-3.3.4; Standard Hand Signals<br>5-3.4.10 (a); Fire Extinguishers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A                               |
| 21                          | PLATAFORMAS AÉREAS DE TRABAJO:<br>PLATAFORMA AÉREA DE TRABAJO DE<br>ELEVACIÓN -ANSI / SAIA A92.22 | ANSI SAIA A92.22 - (2021) ELEVATING WORK PLATFORMS (MEWPS)<br>4.3.1; Operation Manuals.<br>4.3.1.1; Machine manual(s).<br>4.3.1.2; With each sale, rental or lease, dealers, owners, lessors or brokers shall provide a copy of the operation manuals.<br>4.3.1.4; Users shall keep and maintain a copy of the operation manuals in a weather-resistant compartment on the MEWP. 4.3.1.5; The operator shall ensure the operation manuals are stored in the weather-resistant storage compartment on the MEWP.<br>4.5; Modifications<br>5.1; Scheduled Maintenance<br>5.3.1; Prior to placing the MEWP into service,<br>5.3.2; A frequent inspection is required if the MEWP<br>5.3.3 The inspection shall be made by a person qualified to inspect the specific make and model of the MEWP.<br>(a)(b)(c)(d)(e)(f)(g)(h)(i)(j)(k)(l)(n)(o);<br>5.3.4; The MEWP shall not be placed into service until all malfunctions and problems have been corrected.<br>5.4.1; Owners shall ensure an annual inspection is performed no later than thirteen (13) months from the date of the prior annual inspection.<br>5.4.2; The owner shall maintain on the MEWP a means,<br>5.5 Pre-start Inspection (a)(b)(c)(d)(e)(f)(g)(h)(i)(j)(k)(l) (n)(o)(p); 5.8; Replacement Parts | A                               |

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| 21                          | MONTACARGAS CONVENCIONALES, ALTA Y BAJA ELEVACIÓN-ANSI/ ITSDF B56.1 | <p>ANSI ITSDF B56.1 - (2020) SAFETY STANDARD FOR LOW LIFT AND HIGH LIFT TRUCKS.</p> <p>4.2; Modifications, Nameplates, Markings, and Capacity</p> <p>4.5; Safety Guards</p> <p>4.15.1; Every truck shall be equipped with an operator-controlled horn, whistle, gong, or other sound-producing device(s).</p> <p>4.15.2; The user shall determine if operating conditions require the truck to be equipped with additional sound-producing or visual (such as lights or blinkers) devices.</p> <p>5.5.1; At the beginning of each shift and before operating the truck,</p> <p>6.1.1; Parts manuals and maintenance manuals</p> <p>6.2 Maintenance and Inspection (a);</p> <p>6.2.6; Handle LP gas cylinders with care.</p> <p>6.2.7; Brakes, steering mechanisms, control mechanisms, warning devices, lights, governors, lift overload devices, guards and safety devices,</p> <p>6.2.8 (a); Inspection and Repair of Forks in Service on Fork Lift Trucks</p> <p>6.2.8.1 (a); Surface Cracks.</p> <p>6.2.8.1 (b); Straightness of Blade and Shank.</p> <p>6.2.8.1 (c); Fork Angle (Upper Face of Blade to Load Face of the Shank).</p> <p>6.2.8.1 (d); Difference in Height of Fork Tips.</p> <p>6.2.8.1 (e); Positioning Lock (When Originally Provided).</p> <p>6.2.8.1 (f)(1) Fork Blade and Shank;.</p> <p>6.2.8.1 (f)(2); Fork Hooks (When Originally Provided).</p> <p>6.2.8.1 (g); Legibility of Marking (When Originally Provided). 6.2.10; Fuel systems shall be checked for leaks and condition of parts</p> <p>6.2.11; All hydraulic systems shall be regularly inspected and maintained in conformance with good practice.</p> <p>6.2.13; Electric power sources,</p> <p>6.2.15; Trucks shall be kept in a clean condition</p> <p>6.2.17; Care shall be taken to ensure that all replacement parts, 7.2.1; The manufacturer shall provide</p> <p>7.5; Nameplates and Markings</p> <p>7.17; Travel Direction Control(s) Marking</p> <p>7.24.1 Load-Handling Controls (b);</p> <p>7.24.1 Load-Handling Controls (c);</p> <p>7.27.1; Forks shall be designed</p> <p>7.27.2; Each fork shall be clearly stamped</p> <p>7.28; Load Backrest Extension</p> <p>7.31; Guards for Wheels</p> <p>7.32; Protection from moving parts</p> <p>7.33; Overtravel Limits</p> <p>7.34; Warning Device</p> <p>7.35.3; The compartment floor frequented by the operator, 7.39.1; Fork extensions should</p> <p>7.39.4; Each fork extension shall be clearly stamped.</p> <p>7.39.5; Fork extensions shall be designed</p> | A                               |

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| Código ámbito de inspección | Actividad de inspección                                                                                | Documento normativo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Tipo de organismo de inspección |
|-----------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 21                          | TORRE GRÚAS – ASME B30.3                                                                               | ASME B30.3 – 2019 TOWER CRANES<br>3.2.1.3 Frequent Inspection (a)(b)(c)(d)(e)(f)(h)(i)(j)(k)(l);<br>3.2.1.4 Periodic Inspection (a)(3)(4)(5)(7)(8)(9)(11)(12);<br>3.2.4.3 Rope Replacement (a)(b);<br>3.2.2.1; Operational Tests                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A                               |
| 21                          | PUENTE GRÚAS, GRÚAS PÓRTICO Y SEMI-PÓRTICO – ASME B30.2                                                | ASME B 30.2:2022 OVERHEAD AND GANTRY<br>2-2.1 (c)(4)(11);<br>2-2.1.3 Functional Test Inspection (b)(1)(2)(3);<br>2-2.1.4 Frequent Inspection (c)(1)(2)(3)(4)(5)(6)(7)(8);<br>2-2.1.5 Periodic Inspection (c)(1)(2)(3)(4)(5)(7)(8)(10)(11)(12)(13)(14)(15);<br>2-2.3.2; Load Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A                               |
| 21                          | MONTACARGAS CONVENCIONAL, CON HORQUILLA TERRENO ÁSPERO (MÁSTIL O PLUMA TELESCÓPICA) – ANSI/ITSDF B56.6 | ANSI ITSDF B56.6 – (2021) SAFETY STANDARD FOR ROUGH TERRAIN FORKLIFT TRUCKS.<br>5.6.1.2; An overhead guard is intended to offer protection to the operator from falling objects.<br>5.15; Warning Device<br>6.2.1; Read, understand and follow the manufacturer’s operating instructions,<br>6.5.1 Before use each day, (a)(b)(c)(d)(e)(f)(g)(h)(i)(j)(k)(l)(m)(n)(o)(p)(t);<br>7.2.5; Handle LP gas cylinders with care.<br>7.2.6; Brakes, steering mechanisms, control mechanisms, warning devices,<br>7.2.8; Fuel systems shall be checked for leaks and condition of parts.<br>7.2.9; All hydraulic systems shall be regularly inspected and maintained in conformance with good practice.<br>7.2.10; The RTFL truck manufacturer’s capacity,<br>7.2.11; RTFL trucks shall be kept in a clean condition<br>7.3 Inspection and Repair of Forks (b);<br>8.5.2 The following information shall be provided by the manufacturer on every RTFL truck, (a)(b)(c)(d)(e)(g)(h);<br>8.5.4 Vertical mast RTFL trucks shall be provided with a clearly legible chart, | A                               |
| 21                          | INSPECCIÓN DE CABLES BAJO ASME B30.30                                                                  | ASME B30.30 - (2023) ROPES<br>30-1.8.2 Inspection and Removal Criteria (b)(c)(d)(e)(f)(g).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A                               |

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|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 21                          | PLATAFORMAS AÉREAS DE TRABAJO:<br>PLATAFORMA DE ELEVACIÓN Y ROTACIÓN DE TRABAJO AÉREO, MONTADO SOBRE CAMIÓN. – ANSI/SAIA A92.2 | ANSI/SAIA A92.2 - (2021) AMERICAN NATIONAL STANDARD FOR VEHICLE-MOUNTED ELEVATING AND ROTATING AERIAL DEVICES 4.3.1.1: Visibility at Control Positions<br>4.3.5: Emergency stop<br>4.4.2: Boom security device<br>4.5.4: Slope indicator<br>4.9.4.1: Location<br>4.9.4.2: Markings<br>6.2.2.1: General<br>8.2.3 Frequent Inspection and Test: (1) (2) (3) (4) (5) (6) (7) (9); 8.2.3 Frequent Inspection and Test: (2)(a);<br>8.2.3 Frequent Inspection and Test: (8)(a) (b) (c);<br>8.2.4 Periodic Inspection or Test: (1) (2) (4) (5) (6) (7) (9);<br>8.4: Maintenance.<br>8.5: Modifications.<br>8.11: Manuals.<br>10.5 Brakes | A                               |
| 21                          | DIGGER DERRICKS-ANSI/ ASSP A10.31                                                                                              | ANSI/ASSP A10.31-2019 SAFETY REQUIREMENTS, DEFINITIONS AND SPECIFICATIONS FOR DIGGER DERRICKS<br>3.2.32; Manufacturer.<br>4.18.9;<br>4.18.10;<br>4.18.11;<br>6.5.2; Identification Markings.<br>8.2.3 Frequent Inspection and Test. (1)(2)(3)(4)(6)(7)(8);<br>8.2.4 Periodic Inspection and Test. (1)(2)(4)(11).                                                                                                                                                                                                                                                                                                                  | A                               |
| 21                          | WINCHES – ASME B30.7                                                                                                           | ASME B30.7 - (2021) WINCHES (FORMERLY TITLED BASE-MOUNTED DRUM HOISTS)<br>7-2.1.3 Daily Inspection and Test (a)(1),(–1),(2),(3),(4);<br>7-2.1.4 Frequent Inspection (c)(2), (3),(4),(5),(6),(7)(– a),(8),(9),(10);<br>7-2.1.5 Periodic Inspection (d)(2),(3)(–c) ;<br>7-2.2.1. Operational Tests                                                                                                                                                                                                                                                                                                                                  | A                               |
| 21                          | INSPECCIÓN (VERIFICACIÓN) AYUDAS OPERACIONALES B30.5                                                                           | ASME B30.5-2021 MOBILE AND LOCOMOTIVE CRANES<br>LMI 5-2.1.2 Frequent Inspection (d);<br>5-2.1.3 Periodic Inspection (f).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A                               |
| 21                          | HORQUILLAS                                                                                                                     | ANSI ITSDF B56.1-2020 SAFETY STANDARD FOR LOW LIFT AND HIGH LIFT TRUCKS.<br>6.2.8.1 Inspection (a),(b),(c),(d),(e),(f)(1)(2),(g);<br>7.27.1: Forks shall be designed<br>7.27.2. Each fork shall be clearly stamped                                                                                                                                                                                                                                                                                                                                                                                                                | A                               |



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|-----------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 21                          | INSPECCIÓN DE PUENTES GRÚA Y MONORRIEL CON TROLLEY O PUENTE DE RECORRIDO INFERIOR - ASME B30.17<br>ASME B30.16 | ASME B30.17 – 2020 CRANES AND MONORAILS<br>17-2.1 (e)(7)(11);<br>17-2.1.3 Functional Test Inspection (b)(1)(2)(3);<br>17-2.1.4 Frequent Inspection (d)(1)(2)(3)(6)(7)(8);<br>17-2.1.5 Periodic Inspection — Crane or Monorail System (e)(1)(3)(4)(7)(9)(10)(12)(13)(14)(15)(16)(19);<br><br>ASME B30.16-2022 Overhead and Underhung Stationary Hoist<br>16-2.1.4 Frequent Inspection (d)(1)(6)(8)(-a);<br>16-2.1.5 Periodic Inspection (e)(2)(3)(4)(5)(8);<br>16-2.1.9; | A                               |

Sitios cubiertos por la acreditación  
Calle 147 97 19 Bogotá D.C., Colombia