

June 24, 2015



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 14763
(THIRD REVISION)

EXPIRATION DATE: May 31, 2019

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Weatherford International
Benbrook, TX
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the manufacture, marking, sale, and use of a non-DOT specification packaging conforming in part with the DOT Specification 3A, except as specified herein, for the transportation in commerce of the materials authorized in this special permit. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
 - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.27, 173.302a(a), 178.35 and 178.36 in that a non-DOT specification cylinder is not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of Weatherford International dated December 18, 2014, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Compressed gas, toxic, flammable n.o.s.	2.3	UN1953	N/A Hazard Zone B, C, D as appropriate
Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964	N/A
Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965	N/A
Liquefied gas, toxic, flammable n.o.s.	2.3	UN3160	N/A Hazard Zone B, C, D as appropriate
Nitrogen, compressed	2.2	UN1066	N/A
Petroleum crude oil	3	UN1267	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a non-DOT specification seamless nickel alloy oil well sampling cylinder, threaded on both ends with a maximum water capacity of 750 cubic centimeters and a maximum service pressure of 27,500 psig. Each cylinder must comply with the design calculations, drawings, material specifications and engineering specifications submitted with Weatherford International's application on file with the Approvals and Permits Division (APD) and conforming with DOT-3A specification (§§ 178.35 and 178.36) except as follows:

§ 178.35(e) *Safety devices*

The cylinder assembly need not be fitted with a safety relief device. However, when subjected to pool fire the elastomeric seals used in the assembly must fail and provide adequate venting with a start to discharge pressure not exceeding hydrostatic test pressure.

§ 178.35(f) *Marking*

Applies except that cylinders must be marked "DOT-SP 14763" in place of "DOT-3A" and that the size of the marking must be at least 3/16 inches high and clearly visible.

§ 178.36(b) *Steel*

The authorized material of construction, in accordance with specifications provided in the Weatherford application on file with APD, is MP35N. All materials must meet the requirements of the National Association of Corrosion Engineers (NACE) specification MR0175/ISO 15156 for suitability in hydrogen sulfide (H₂S) service.

§ 178.36(d) *Manufacture*

Cylinder must be manufactured using equipment and processes adequate to ensure that each cylinder produced conforms to the requirements of this special permit. Material stock must be inspected to assure cleanliness and be free of defects that are likely to weaken the finished cylinder. The final dimensions of the finished cylinder must conform to the Weatherford International drawings on file with APD.

§ 178.36(f) *Wall Thickness*

Minimum wall thickness is for the cylinder may not be less than 0.350 inch.

§ 178.36(g) *Heat treatment*

The completed cylinder need not be heat treated. However, the heat treatment of the purchased stock material must conform to NACE MR0175/ISO 15156.

§ 178.36(h)(3) *Openings in cylinders and connections
(valves, fuse plugs, etc.)*

Both ends of the cylinder and all connections to pressure must be threaded with either stub acme or v-threads. Pressure bearing threads must have a minimum of 6 engaged threads or must be of sufficient number that the shear strength of the threads is 10 times that required by the pressure load at test pressure.

§ 178.36(j) *Flattening test*

No flattening test is required.

§ 178.36(l) *Acceptable results for physical tests*

The mechanical properties of tensile specimens must meet the minimum criteria established in the NACE MR0175 Specification.

b. TESTING (REQUALIFICATION) - Each cylinder must be reinspected and hydrostatically retested in accordance with §§ 180.205 and 180.209 as prescribed for DOT-3A specification cylinders. Reheat treatment or repair of rejected cylinders is not authorized. When a hydrostatic retest of a cylinder is performed due to equipment failure as authorized by § 180.209(g)(5), only two such retests are permitted.

c. OPERATIONAL CONTROLS - Emergency response information provided with the shipment, and available via an emergency response telephone number, must indicate that the receptacles are not fitted with pressure relief devices and provide appropriate guidance in case receptacles are exposed to fire.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

- b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.
- c. Test reports: The test reports required under this special permit must be retained by the manufacturer as long as the cylinder made under this special permit are authorized, and must be made available to an authorized DOT representative upon request.
- d. These cylinders are authorized for oil well sampling service only.
- e. Transportation of Division 2.1 materials (flammable gases) and Division 2.3 materials (gases which are toxic by inhalation) are not authorized aboard cargo vessel or aircraft unless specifically authorized in the Hazardous Materials Table (§ 172.101).
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, and cargo aircraft only (see restrictions in paragraph 8.e. above).
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, aircraft or motor vehicle used to transport packages covered by this special permit. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
 - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 Immediate notice of certain hazardous materials incidents, and 171.16 Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: MOORE/TG