



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

June 20, 2024

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 11380
(EIGHTEENTH REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of certain Division 2.1 gases in non-DOT specification cylinders. 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 development of this special permit only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.
 - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.302(a)(1) in that a non-DOT-specification cylinder is not authorized and § 178.37(h)(3) in that the calculated shear strength must be 10 times the test pressure of the cylinder, except as specified herein.

NOTE: This does not relieve a person from securing any approval required by Subpart I of Part 107 from the Associate Administrator for Hazardous Materials Safety.
5. BASIS: This special permit is based on the application of Baker Hughes Oilfield Operations LLC dated April 16, 2024, submitted in accordance with § 107.105 and the public proceeding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Prescribed packagings are non-DOT specification seamless cylinders conforming to Western Atlas Logging Services drawing 190058-000, Baker Atlas drawings 190058-000 Rev. A, 190056-000 Rev. A, 197596-036, 199546-000, A3000293000, A3001606000, P/N A1005500000, Baker Hughes drawing A3005209000, Rev. B and other drawings on file with the Office of Hazardous Materials Safety (OHMS). Additional prescribed packagings are non-DOT specification seamless cylinders conforming to drawing numbers 197596-036, Rev. D, 197596-036, Rev. E, 199546-000, 197596-036, A3001606000, Rev. H, and A3001606000, Rev. J as specified in the application dated April 30, 2020, and on file with OHMS. Cylinders must be in conformance with DOT Specification 3AA (§§ 178.35 and 178.37), except as follows:

§ 178.35(e) *Safety devices*. Pressure relief devices are not required.

§ 178.35(f) *Marking*.

(1) * * *

(i) Cylinders must be marked “DOT-SP 11380” in place of “DOT 3AA”.

(2) and (3) * * *

(4) The markings on each cylinder must be plain and permanent. The markings may be applied using engraving, low stress metal stamping, electric marker (vibra-tool), electric pencil, or laser. The depth and size of the markings may not create harmful stress concentrations or impinge on the minimum wall thickness. The markings must be located only in the area designated on the cylinder drawings.

§ 178.37(a) *Type, size, and service pressure*. Seamless cylinders have 49 cubic inches maximum water capacity and 20,000 psig maximum service pressure. Cylinder drawing A3000293000 has a 25,000 psig maximum service pressure.

§ 178.37(b) *Authorized material.* Inconel 718 alloy per Baker Atlas Specification 059153-000, 059328-000 or Western Atlas Specification 59327A; MP35N alloy per Western Atlas Logging Services Specification 059989 or Baker Atlas Specification 059097-000; and Hastelloy C-22HS per Baker Hughes Specification NI10 are authorized.

§ 178.37(f) *Wall thickness.*

- (1) Not applicable.
- (2) The wall stress at the minimum specified test pressure may not exceed 67 percent of the minimum tensile strength as determined from the physical tests required in § 178.37(k) and (l).
- (3) * * *

§ 178.37(g) *Heat treatment.* Heat treatment and subsequent testing for Inconel 718 must be performed per Baker Atlas Specification 059328-000 or Western Atlas Logging Services Specification 59328A; for MP35N per Western Atlas Specification 59989-000 or Baker Atlas Specification 059337-000; for Hastelloy C22HS per Baker Hughes Specification NI10.

§ 178.37(j) *Flattening test.* Flattening test is not required.

§ 178.37(n) *Rejected cylinders. Reheat treatment is not authorized for any of the cylinder designs.*

b. TESTING: Cylinders must be requalified in accordance with the requirements of §§ 180.205 and 180.209 for DOT Specification 3AA cylinders.

c. OPERATIONAL CONTROLS:

- (1) Each cylinder must have protection for the valve against accidental functioning and damage. Cylinders must be shipped in strong non-bulk outer packaging or securely strapped on pallets.
- (2) Emergency response information provided with the shipment and available via an emergency response telephone number must indicate that the cylinders are not fitted with pressure relief devices and provide appropriate guidance in case cylinders 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. Transportation of Division 2.1 materials (flammable gases) 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-only aircraft.10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel or aircraft 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 William Schoonover
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-13.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at <https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

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