



**CGA P-21–2021
GUIDELINE FOR THE
DEVELOPMENT OF PRE-TRIP
INSPECTION CHECKLIST AND
REPORTS FOR MC-338, TC-338,
CGA-341, AND TC-341
CARGO TANKS**

FIFTH EDITION

PLEASE NOTE:

The information contained in this document was obtained from sources believed to be reliable and is based on technical information and experience currently available from members of the Compressed Gas Association, Inc. and others. However, the Association or its members, jointly or severally, make no guarantee of the results and assume no liability or responsibility in connection with the information or suggestions herein contained. Moreover, it should not be assumed that every acceptable commodity grade, test or safety procedure or method, precaution, equipment or device is contained within, or that abnormal or unusual circumstances may not warrant or suggest further requirements or additional procedure.

This document is subject to periodic review, and users are cautioned to obtain the latest edition. The Association invites comments and suggestions for consideration. In connection with such review, any such comments or suggestions will be fully reviewed by the Association after giving the party, upon request, a reasonable opportunity to be heard. Proposed changes may be submitted via the Internet at our web site, www.cganet.com.

This document should not be confused with federal, state, provincial, or municipal specifications or regulations; insurance requirements; or national safety codes. While the Association recommends reference to or use of this document by government agencies and others, this document is purely voluntary and not binding unless adopted by reference in regulations.

A listing of all publications, audiovisual programs, safety and technical bulletins, and safety posters is available via the Internet at our website at www.cganet.com. For more information contact CGA at Phone: 703-788-2700, ext. 799. E-mail: customerservice@cganet.com.

Work Item 21-018
Distribution and Fleet Safety Committee

NOTE—Technical changes from the previous edition are underlined.

FIFTH EDITION 2021
REAFFIRMED: 2015
FOURTH EDITION: 2009
THIRD EDITION: 2006
SECOND EDITION: 2000

© 2021 The Compressed Gas Association, Inc. All rights reserved.

All materials contained in this work are protected by United States and international copyright laws. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical including photocopying, recording, or any information storage and retrieval system without permission in writing from The Compressed Gas Association, Inc. All requests for permission to reproduce material from this work should be directed to The Compressed Gas Association, Inc., 8484 Westpark Drive, Suite 220, McLean, VA 22102. You may not alter or remove any trademark, copyright or other notice from this work.

Contents	Page
1 Introduction.....	1
2 Scope	2
3 Definitions.....	2
4 Inspection	2
5 References	4

1 Introduction

This publication provides information to assist in the development of inspection checklists and reports for the MC-338, TC-338, CGA-341, and TC-341 insulated cargo tanks used in the transportation of cryogenic liquids.

In Title 49 of the U.S. *Code of Federal Regulations* (49 CFR) Part 396.11, the U.S. Department of Transportation (DOT) Federal Highway Administration requires that the driver of a motor vehicle prepare a report at the completion of each day's work [1].¹ At a minimum, the report shall cover the following vehicle parts and accessories:

- service brakes including trailer brake connections;
- parking (hand) brake;
- steering mechanism;
- lighting devices and reflectors;
- tires;
- horn;
- windshield wipers;
- rear vision mirrors;
- coupling devices;
- wheels and rims; and
- emergency equipment.

49 CFR Part 392.7 further states that no motor vehicle shall be driven unless the driver is satisfied that these parts and accessories are in good working order.

49 CFR Part 396.13 requires that before driving the motor vehicle the driver:

- Is satisfied that the vehicle is in safe operating condition;
- Reviews the last vehicle inspection report; and
- Signs the report, only if defects or deficiencies were noted by the driver who prepared the report, to acknowledge that the driver has reviewed it and that there is a certification that the required repairs have been performed. The signature requirement does not apply to listed defects on a towed unit which is no longer part of the vehicle combination.

In Canada, individual provinces regulate the requirements for pre-trip and post-trip inspections. However, all provinces adhere closely to the requirements of NSC Standard 13, *Trip Inspection*, which are similar to the requirements in 49 CFR [2, 1]. This publication provides a practical way of developing procedures to comply with provincial requirements as they apply to Transport Canada (TC) TC-338 and TC-341 highway tanks. Canadian requirements for highway tanks are found in TC's *Transportation of Dangerous Goods Regulations* (TDG Regulations) and CSA B622, *Selection and use of highway tanks, TC portable tanks, and ton containers for the transportation of dangerous goods, Class 2* [3, 4]. Final pre-trip or post-trip inspection procedures should be checked against the regulations of the province(s) in which the vehicle is to be operated.

¹ References are shown by bracketed numbers and are listed in order of appearance in the reference section.