



Claude H. Harris  
Director, Office of Vehicle Safety Compliance  
U.S. Department of Transportation  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE  
Washington, DC 20590

**07V-256  
(27 pages)  
AMENDED**

Ref: Recall No. 07V256

August 14, 2008

Dear Mr. Harris:

We received your August 8, 2008 letter to Kalmar indicating that the National Highway Traffic Safety Administration had denied Kalmar's petition for inconsequential noncompliance. Your letter instructed Kalmar to submit an amended Noncompliance Information Report including the following information: (1) recall population, (2) problem description, (3) remedy, and (4) recall schedule. Pursuant to your instructions, we submit the following report.

Manufacturer's Name:

Kalmar Industries USA, LLC  
415 E. Dundee St.  
Ottawa, Kansas 66067

Vehicle Model:

Ottawa 30  
Ottawa 50  
Ottawa 60

RECEIVED

2008 SEP -2 10:35 AM

DEFECTS INVESTIGATION  
RECALL MGMT DIV.

Recall population:

Total Number of Units: 612

From my review of our production records this is the number of affected vehicles. When this is compared to R.L. Polk's actual registration data base, I would expect a slight alteration in the number of units will occur.

Problem Description:

The noncompliance noted was that in our manufacturing process where we had substituted a "U Series" Weatherhead crimp type hose end fitting in place of a "P Series" type fitting. This brake hose assembly had two of these mechanically crimped

Kalmar Industries USA, LLC.  
415 East Dundee Street  
Ottawa, KS 66067, USA  
harold.king@kalmarind.com

Tel. 785-229-7142  
Fax 785-229-7149



permanently attached fittings. The combination of this non DOT approved fitting with a DOT approved hose is the non-compliance.

This noncompliance had possibly occurred on units produced from 1997 until May 2007. Beginning with our vehicle production starting the last week of May 2007, this hose was replaced with an approved hose design manufactured by an approved DOT fabricator. Since that time all of the hose assemblies used in our production are from that manufacturer. This noncompliance air brake hose assembly was only used on rear axle brake chambers in a rear drive axle position when an axle suspension was installed.

#### Summary of Warranty Claims, Field Service Reports

During the time that the non-compliance hoses have been in service, there has not been a single incident reported nor any warranty claims filed.

#### Test Results for Noncompliant Air Brake Hose

Sample non-compliant hoses were manufactured and tested by an outside test laboratory and by our own engineering test laboratory. Tests were performed by "Kalmar Industries Engineering" and by "Eaton Engineering Test Laboratory". The results of those tests showed two of three samples past the requirements with the third only marginally failing the tension pull test.

Tests were performed on three sample hoses manufactured with the Weatherhead series "U" fitting and "H33806" air brake hose.

| Tested By:            | Test Data Summary |          |          |
|-----------------------|-------------------|----------|----------|
|                       | Kalmar            | Eaton    |          |
| Sample 3/8 ID Hose    | No.1              | No.2     | No.3     |
| Burst Test            | 1200 PSI          | 1480 PSI | 1480 PSI |
| Leak Rate Test        | 1 PSI-5 MIN       |          |          |
| Tensile Strength Test | 325 LBS           | 351 Lbs  | 294 Lbs  |
|                       | Pass              | Pass     | Fail     |

Attachment 1: Kalmar Engineering Test Report

Attachment 2: Eaton Engineering Test Report No. 224756



### Manufacturer's Program for Remedy

In May 2007, these air brake hose assemblies were out sourced to a "DOT" approved hose fabricator, "Tompkins Industries Inc.-T103 ". All of the air brake hoses used in production since that time have been from this source and are compliant with FMVSS 571.106 requirements.

#### Attachment 3: Air brake hose fabricator

For in service vehicles, our remedy is to replace the existing hoses located between the chassis frame mounted brake valves and the air brake chambers mounted on the axle. This is the location in which the non-compliant hoses were installed.

Kalmar will replace the hoses at our expense. We will ask customers and dealers both to identify noncompliant hoses and contact Kalmar for replacements. We will ship the replacements hoses upon request at no expense to the customer. All we ask is for the customer to provide the "VIN" of that vehicle. If the customer or the dealer's personnel install the new hoses, we will ask them to submit a warranty claim for the labor expense. Alternatively the customer can request a Kalmar dealer install the hoses. We are allowing two hours labor expense for the exchange. We will in addition allow one hour travel time for our dealer's personnel to do this replacement if the customer so request. We will require the customer to notify us upon completion of the air brake hoses. Our letter requests that the customer implement the installation of new hoses without delay.

### Customer & Dealer Notification Letter

We have attached a copy of the "Customer" notification letter for your review.

Attachment 4: Customer Notification Letter

### Notification Letter Issuance

Kalmar intends to issue both a Field Service Bulletin to our dealer network's Service Managers. We intend to forward the Field Service Bulletin concerning these noncompliant air brake hose within the next thirty days. Kalmar is in process of preparing this bulletin and will provide it to NHTSA immediately on completion.

We will issue customer notification letters based on states registration. We expect to be start issuing the "Customer" notification letter to registered owners thirty days after our receipt of your instructions. The notification should be completed within fifteen working days of the issuance starting day.



### Program Monitoring & Reporting

As per rule stated in 573.7, we will submit quarterly reports to NTHSA.

This revised information concerning 07V256 Air Brake Hose Noncompliance is submitted as you requested for your review. Kalmar does understand its responsibilities and will take actions to see that the situation is corrected. We will aid in the identification, send required parts and work with our dealers and customers on this manner. We will persist in our communications with customers to assure these vehicles are appropriately repaired.

I wish to thank you for your attention concerning this matter. I assure you it is not my intention to procrastinate and I wish to bring this issue to a successful close. If you have questions, or if I can provide additional information, please contact me.

Sincerely

A handwritten signature in black ink, appearing to read 'Harold King', with a stylized flourish at the end.

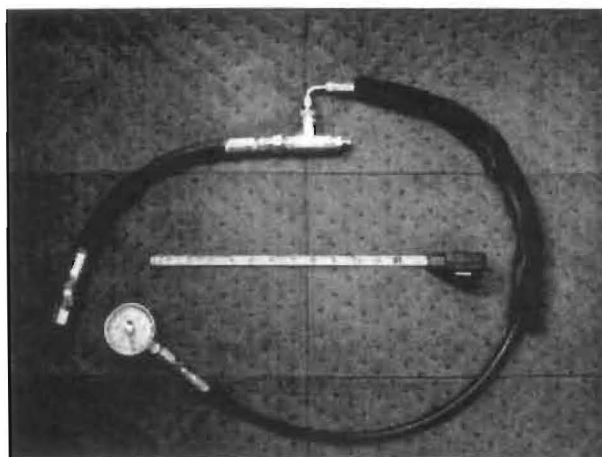
Harold King  
Global Safety & Standards Manager  
harold.king@kalmarind.com



# **Engineering Test Report**

**For**

## **Brake Hose Qualification**



## **Kalmar Industries Corporation**

415 East Dundee Street  
Ottawa, KS 66067 USA

**Prepared for:** Kalmar Industries Corporation

**Prepared by:** Steven Stonecash – Test Engineer

**Approved by:** Greg Lehman – Chief Engineer

**Test Date:** May 30, 2007

# Table of Contents

|                                         |    |
|-----------------------------------------|----|
| List of Acronyms and Abbreviations..... | ii |
| Test Personnel and Witnesses.....       | ii |
| 1.0 Test Objectives .....               | 1  |
| 2.0 Test Hardware .....                 | 1  |
| Figure 1.....                           | 1  |
| 3.0 Instrumentation.....                | 2  |
| 3.1 Pressure Gages .....                | 2  |
| 3.2 Timer.....                          | 2  |
| 4.0 Data Collected.....                 | 2  |
| 5.0 Test Procedure.....                 | 2  |
| Figure 2.....                           | 3  |
| Figure 3.....                           | 3  |
| Figure 4.....                           | 4  |
| Figure 5.....                           | 4  |
| Figure 6.....                           | 5  |
| 6.0 Results .....                       | 5  |
| 7.0 Conclusion .....                    | 5  |
| End of Report Page .....                | 6  |

|                                             |                       |                                 |
|---------------------------------------------|-----------------------|---------------------------------|
| Document ID: TR00022                        | Test Date: 05/31/2007 |                                 |
| Title: Brake Hose Qualification Test Report |                       | Test Engineer: Steven Stonecash |

## List of Acronyms and Abbreviations

PSI      Pounds per Square Inch  
 FMVSS   Federal Motor Vehicle Safety Standards  
 lbs      Pounds

## Test Personnel and Witnesses

Steven Stonecash, Kalmar Industries  
 Terry Falls, Kalmar Industries

|                                             |                       |                                 |
|---------------------------------------------|-----------------------|---------------------------------|
| Document ID: TR00022                        | Test Date: 05/31/2007 |                                 |
| Title: Brake Hose Qualification Test Report |                       | Test Engineer: Steven Stonecash |

## 1.0 Test Objectives

To determine if Kalmar's brake hose meets performance requirements defined by Federal Motor Vehicle Safety Standards (FMVSS) § 571.106, S7.3.8 Air Pressure, S7.3.9 Burst Strength and S7.3.10 Tensile Strength for brake hoses.

## 2.0 Test Hardware

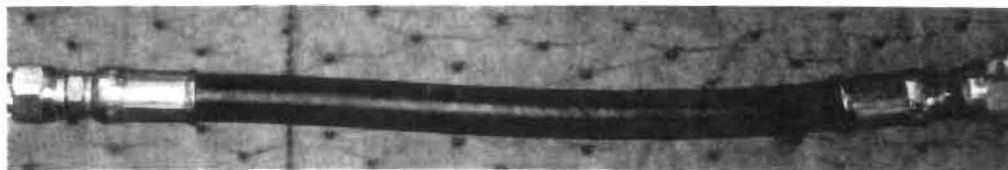
### Hose:

Kalmar Hose, Part Number 99802337 (SAE J1402 A), 12 inch long

### Fittings:

Kalmar Fittings, Part Number 90010396, 2 each

The hose configuration shown in Figure 1



**Figure 1**

|                                             |                       |                                 |
|---------------------------------------------|-----------------------|---------------------------------|
| Document ID: TR00022                        | Test Date: 05/31/2007 |                                 |
| Title: Brake Hose Qualification Test Report |                       | Test Engineer: Steven Stonecash |

### 3.0 Instrumentation

#### 3.1 Pressure Gages

5,000 PSI

200 PSI

#### 3.2 Timer

Robic, Model Number SC-554, Speed Timer Twin Chronograph Stop Watch

### 4.0 Data Collected

Bursting Pressure

Leak Rate

Tensile Strength Load

### 5.0 Test Procedure

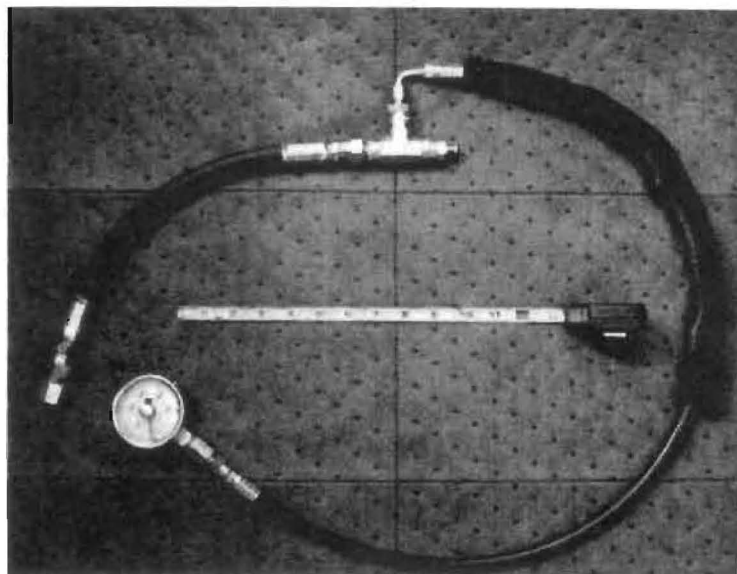
#### Burst Test

Hose Configuration:

Kalmar Hose, Part Number 99802337 (SAE J1402 A), 12 inch long

Kalmar Fittings, Part Number 90010396, 2 each

The hose configuration shown in Figure 2

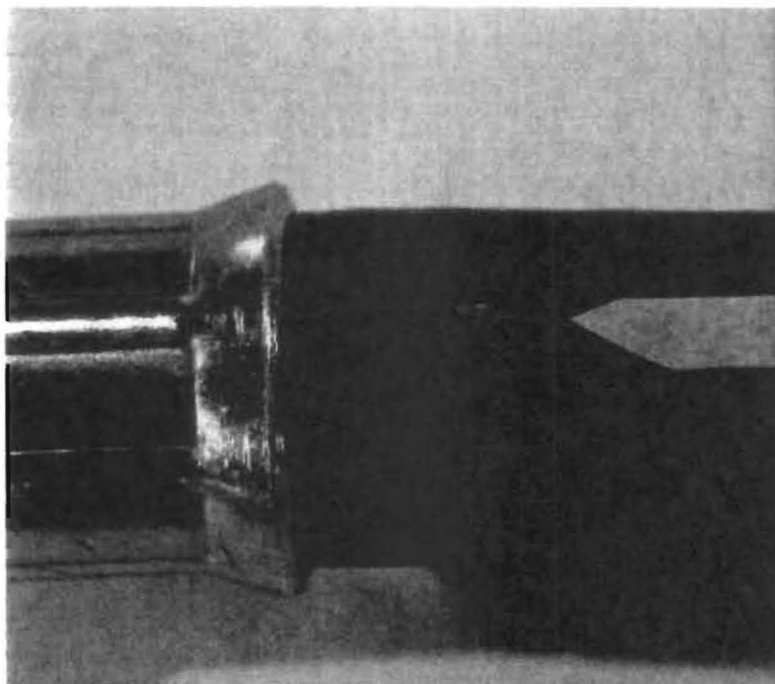


|                                             |                       |                                 |
|---------------------------------------------|-----------------------|---------------------------------|
| Document ID: TR00022                        | Test Date: 05/31/2007 |                                 |
| Title: Brake Hose Qualification Test Report |                       | Test Engineer: Steven Stonecash |

## Figure 2

The test hose was connected to the hydraulic supply line for an Ottawa 4x2 Terminal Tractor's cab tilt actuator, which supplied the pressure needed for this burst test.

Pressure in the line was raised to 800 PSI and held for 1 minute without failure. Then the pressure was gradually increased until failure, which occurred at 1200 PSI. The line ruptured at the point where the hose enters the fitting; see Figure 3.



**Figure 3**

### Leak Rate Test

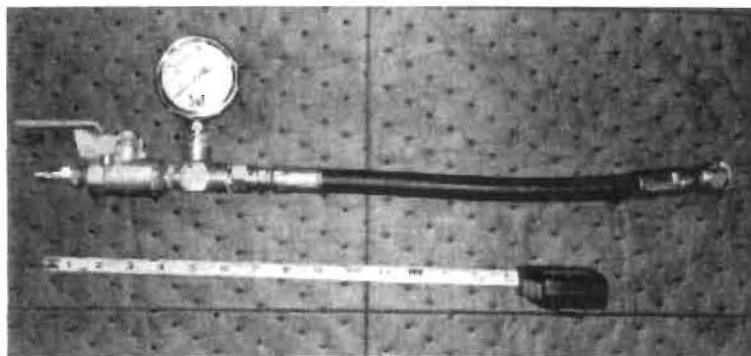
Hose Configuration:

Kalmar Hose, Part Number 99802337 (SAE J1402 A), 12 inch long

Kalmar Fittings, Part Number 90010396, 2 each

The hose configuration shown in Figure 4

|                                             |                       |                                 |
|---------------------------------------------|-----------------------|---------------------------------|
| Document ID: TR00022                        | Test Date: 05/31/2007 |                                 |
| Title: Brake Hose Qualification Test Report |                       | Test Engineer: Steven Stonecash |



**Figure 4**

The test hose was connected to an air supply capable of supplying pressure in excess of 200 PSI. Hose pressure was raised to 200 PSI. Once 200 PSI was reached the test hose pressure was isolated by closing a ball valve. Pressure had dropped approximately 1 PSI over 5 minutes.

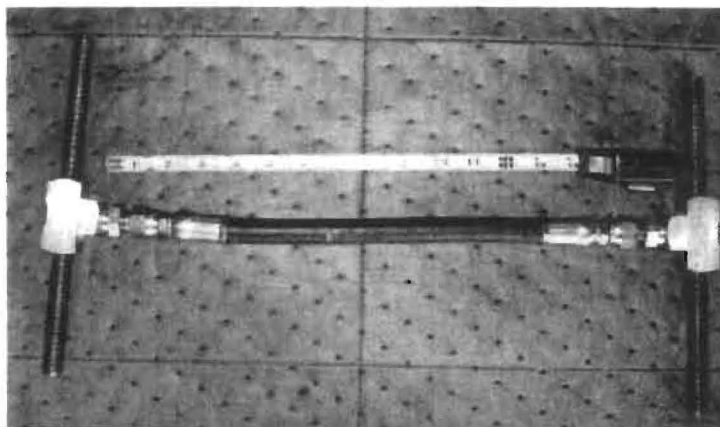
### **Tensile Strength Test**

Hose Configuration:

Kalmar Hose, Part Number 99802337 (SAE J1402 A), 12 inch long

Kalmar Fittings, Part Number 90010396, 2 each

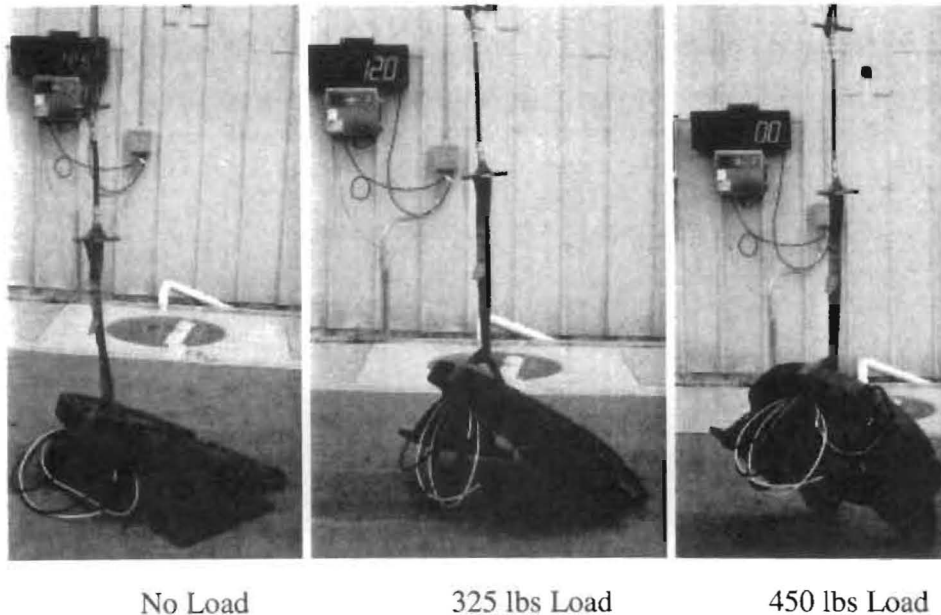
The hose configuration shown in Figure 5



**Figure 5**

A mass of 325 lbs was suspended from test hose for 1 minute without failure. Then a mass of 450 lbs was suspended for an additional minute without failure; see Figure 6.

|                                             |                       |                                 |
|---------------------------------------------|-----------------------|---------------------------------|
| Document ID: TR00022                        | Test Date: 05/31/2007 |                                 |
| Title: Brake Hose Qualification Test Report |                       | Test Engineer: Steven Stonecash |



**Figure 6**

## 6.0 Results

### **Burst Test**

Test hose ruptured at 1200 PSI

### **Leak Rate Test**

Test hose leaked 1 PSI over five minutes

### **Tensile Strength Test**

Test hose remained intact with a pull of 325 lbs

## 7.0 Conclusion

The test hose meets and exceeded performance requirements defined by Federal Motor Vehicle Safety Standards (FMVSS) § 571.106, S7.3.8 Air Pressure, S7.3.9 Burst Strength and S7.3.10 Tensile Strength for brake hoses.

|                                             |                       |                                 |
|---------------------------------------------|-----------------------|---------------------------------|
| Document ID: TR00022                        | Test Date: 05/31/2007 |                                 |
| Title: Brake Hose Qualification Test Report |                       | Test Engineer: Steven Stonecash |

### End of Report Page

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ENGINEERING  
TEST REPORT

REPORT NUMBER:

224756

Eaton  
Technical Center  
Maumee, Ohio U.S.A.

TITLE: **Burst and Tensile Testing of H33806 hose with U-series fittings**

DATE: **6/1/2006**

TESTED BY: LAB TECHNICIAN

  
Neil Schwab

CHECKED BY: LAB SUPERVISOR

WRITTEN: ENGINEER

APPROVED: ENGINEERING SUPERVISOR

**This report shall not be reproduced, except in full without the written approval of  
Eaton Test Laboratory**



ENGINEERING  
TEST REPORT

REPORT NUMBER:

224756

TR TRACKING AND CONTENT CHECK - IN:

|                                                       |                                                |                                                            |       |
|-------------------------------------------------------|------------------------------------------------|------------------------------------------------------------|-------|
| Date Req'd By:                                        | 6/8/2007                                       | Project No.:                                               | 24911 |
| Requested By:                                         | Troy Lutz                                      | Approved By:                                               |       |
| Test Sample(s):                                       | <input checked="" type="checkbox"/> Return All | <input type="checkbox"/> Return all only if failure occurs |       |
| Witness Required?                                     | <input type="checkbox"/> Yes                   | <input checked="" type="checkbox"/> No                     |       |
| If Yes, Witness Name, Title and Organization:         |                                                |                                                            |       |
| Hose Manufacturer: Enter name or plant location below |                                                |                                                            |       |
| Eaton Forest City                                     |                                                |                                                            |       |
| Customer:                                             |                                                |                                                            |       |
| Reference Part Numbers:                               | H33806, 06U-XXX                                |                                                            |       |



ENGINEERING  
TEST REPORT

REPORT NUMBER:

224756

PURPOSE:

To assess the performance of H33806 with U series fittings.

TEST TYPE:

DESIGN SUITABILITY:



FORMAL QUALIFICATION:



NEW APPROVED SOURCE:



PERIODIC CONTROL:



SUMMARY:



BACKGROUND:

REFERENCES:

ES 4257 Rev -

TEST SPECIMENS:

SAMPLES 1-4

Hose: H33806

Manufacturer: Forest City

Fittings: A end:06U-M06

B end:06U-J06



# ENGINEERING TEST REPORT

REPORT NUMBER:

224756

## HOSE CRIMP DATA SHEET (INCHES)

Assembly Date: \_\_\_\_\_

Hose Style: H33806 with U series

Date: 6/1/2007

| Sample No. | End | Crimp Diameter |       |       |       |         |       | Original Nipple ID | Crimp Tooling |         | Crimped Nipple ID | Nipple Collapse | Comments |
|------------|-----|----------------|-------|-------|-------|---------|-------|--------------------|---------------|---------|-------------------|-----------------|----------|
|            |     | 1              | 2     | 3     | 4     | Ovality | Avg.  |                    | Collet        | Display |                   |                 |          |
| 1          | A   | 0.801          | 0.800 | 0.801 | 0.798 | 0.003   | 0.800 |                    |               |         |                   |                 |          |
|            | B   | 0.802          | 0.801 | 0.800 | 0.800 | 0.002   | 0.801 |                    |               |         |                   |                 |          |
| 2          | A   | 0.801          | 0.800 | 0.799 | 0.800 | 0.002   | 0.800 |                    |               |         |                   |                 |          |
|            | B   | 0.801          | 0.800 | 0.801 | 0.800 | 0.001   | 0.801 |                    |               |         |                   |                 |          |
| 3          | A   | 0.801          | 0.801 | 0.800 | 0.801 | 0.001   | 0.801 |                    |               |         |                   |                 |          |
|            | B   | 0.802          | 0.801 | 0.801 | 0.801 | 0.001   | 0.801 |                    |               |         |                   |                 |          |
| 4          | A   | 0.801          | 0.799 | 0.800 | 0.800 | 0.002   | 0.800 |                    |               |         |                   |                 |          |
|            | B   | 0.800          | 0.801 | 0.800 | 0.801 | 0.001   | 0.801 |                    |               |         |                   |                 |          |
| 5          | A   |                |       |       |       |         |       |                    |               |         |                   |                 |          |
|            | B   |                |       |       |       |         |       |                    |               |         |                   |                 |          |
| 6          | A   |                |       |       |       |         |       |                    |               |         |                   |                 |          |
|            | B   |                |       |       |       |         |       |                    |               |         |                   |                 |          |
|            |     |                |       |       |       | Max     | 0.003 | 0.801              |               |         |                   |                 |          |
|            |     |                |       |       |       | Avg     | 0.002 | 0.800              |               |         |                   |                 |          |
|            |     |                |       |       |       | Min     | 0.001 | 0.800              |               |         |                   |                 |          |
|            |     |                |       |       |       |         |       |                    | Max           |         |                   |                 |          |
|            |     |                |       |       |       |         |       |                    | Avg           |         |                   |                 |          |
|            |     |                |       |       |       |         |       |                    | Min           |         |                   |                 |          |

## HOSE CRIMP DATA SHEET (MILLIMETERS)

Assembly Date: \_\_\_\_\_

Hose Style: H33806 with U series

Date: 6/1/2007

| Sample No. | End | Crimp Diameter |        |        |        |         |        | Original Nipple ID | Crimp Tooling |         | Crimped Nipple ID | Nipple Collapse | Comments |
|------------|-----|----------------|--------|--------|--------|---------|--------|--------------------|---------------|---------|-------------------|-----------------|----------|
|            |     | 1              | 2      | 3      | 4      | Ovality | Avg.   |                    | Collet        | Display |                   |                 |          |
| 1          | A   | 20.345         | 20.320 | 20.345 | 20.269 | 0.076   | 20.320 |                    |               |         |                   |                 |          |
|            | B   | 20.371         | 20.345 | 20.320 | 20.320 | 0.051   | 20.339 |                    |               |         |                   |                 |          |
| 2          | A   | 20.345         | 20.320 | 20.295 | 20.320 | 0.051   | 20.320 |                    |               |         |                   |                 |          |
|            | B   | 20.345         | 20.320 | 20.345 | 20.320 | 0.025   | 20.333 |                    |               |         |                   |                 |          |
| 3          | A   | 20.333         | 20.345 | 20.320 | 20.345 | 0.025   | 20.336 |                    |               |         |                   |                 |          |
|            | B   | 20.358         | 20.345 | 20.333 | 20.345 | 0.025   | 20.345 |                    |               |         |                   |                 |          |
| 4          | A   | 20.345         | 20.295 | 20.320 | 20.307 | 0.051   | 20.317 |                    |               |         |                   |                 |          |
|            | B   | 20.320         | 20.345 | 20.320 | 20.345 | 0.025   | 20.333 |                    |               |         |                   |                 |          |
| 5          | A   |                |        |        |        |         |        |                    |               |         |                   |                 |          |
|            | B   |                |        |        |        |         |        |                    |               |         |                   |                 |          |
| 6          | A   |                |        |        |        |         |        |                    |               |         |                   |                 |          |
|            | B   |                |        |        |        |         |        |                    |               |         |                   |                 |          |
|            |     |                |        |        |        | Max     | 0.076  | 20.345             |               |         |                   |                 |          |
|            |     |                |        |        |        | Avg     | 0.041  | 20.330             |               |         |                   |                 |          |
|            |     |                |        |        |        | Min     | 0.025  | 20.317             |               |         |                   |                 |          |
|            |     |                |        |        |        |         |        |                    | Max           |         |                   |                 |          |
|            |     |                |        |        |        |         |        |                    | Avg           |         |                   |                 |          |
|            |     |                |        |        |        |         |        |                    | Min           |         |                   |                 |          |





ENGINEERING  
TEST REPORT

REPORT NUMBER:

224756

TEST PROCEDURES AND RESULTS:

Test procedures and results shown on the following pages of this report.

BURST PRESSURE TEST

SAMPLES NUMBER:

1,2

PROCEDURES:

The assemblies were attached by one end to a pressure source and extended straight without restraint. The free end was suitably capped or plugged and pressure was applied at a uniform rate (pressurization time not to exceed 30 seconds) until failure.

TEST FLUID:

Water

MINIMUM BURST PRESSURE:

62 bar (900 psi)

RESULTS:

PASS

| SAMPLE NUMBER | BURST PRESSURE     | DESCRIPTION OF FAILURE |
|---------------|--------------------|------------------------|
| 1             | 102 bar (1480 psi) | Free Hose Burst        |
| 2             | 102 bar (1480 psi) | Free Hose Burst        |
|               |                    |                        |



ENGINEERING  
TEST REPORT

REPORT NUMBER:

224756

TENSILE STRENGTH TEST

SAMPLES NUMBER:

3,4

PROCEDURES:

The hose assembly shall be placed in tensile testing machine provided with a recording device. The specimen shall be held in the testing machine so that the hose and fittings have a straight centerline corresponding to the direction of the machine pull. The testing machine shall be operated at a separation speed of 25 mm/minute (1 inch/min) until failure occurs, either by separation of the hose from the end fittings or by rupture of the hose structure. Failure of the 6.3 mm (.250 inch) and smaller size shall occur no less than 1100 N (250 lbs) and the larger sizes at no less than 1450 N (325 lbs).

SEPARATION SPEED:

25 mm/minute (1 inch/min)

MINIMUM FORCE REQUIRED  
TO CAUSE FAILURE:

1450 N (325 lbs)

RESULTS:

| SAMPLE NUMBER | TENSILE STRENGTH | DESCRIPTION OF FAILURE    |
|---------------|------------------|---------------------------|
| 3             | 1307N (294lbf)   | Hose pulled out of socket |
| 4             | 1561N (351lbf)   | Hose pulled out of socket |
|               |                  |                           |



ENGINEERING  
TEST REPORT

REPORT NUMBER:

224756

CONCLUSIONS:



ENGINEERING  
TEST REPORT

REPORT NUMBER:

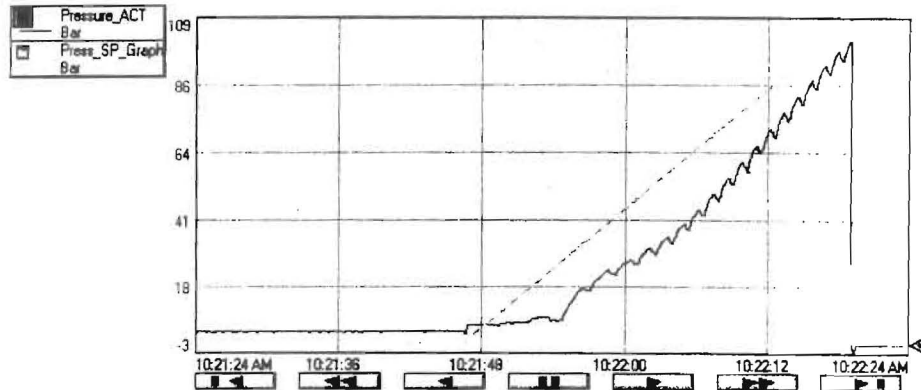
224756

APPENDIX:

Burst Data Sheets:

BURST TEST

H33806 w/ U-series



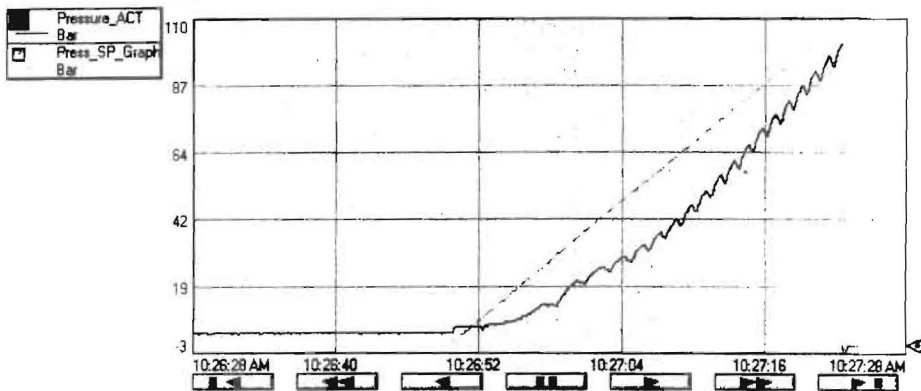
Pressure Actual: 0 bar  
Burst Pressure: 102 bar  
Wednesday, May 30, 2007  
H33806 w/ U-series  
1480 psi  
Sample No. 1  
Start  
Print Screen  
Main Page

Free Hose Burst

*[Signature]*

BURST TEST

H33806 w/ U-series



Pressure Actual: 0 bar  
Burst Pressure: 102 bar  
Wednesday, May 30, 2007  
H33806 w/ U-series  
1480 psi  
Sample No. 2  
Start  
Print Screen  
Main Page

Free Hose Burst

*[Signature]*



U.S. Department  
of Transportation  
**National Highway  
Traffic Safety  
Administration**

400 Seventh St., S.W.  
Washington, D.C. 20590

JUN 7 2007

Mr. Dan Turnbull  
Tompkins Industries, Inc. Plant #03  
1707 East 123 Rd. Street  
Olathe, KS 66061

Dear Mr. Turnbull:

The designation that you recently submitted in accordance with the requirements of Federal Motor Vehicle Safety Standard No. 106, Brake Hoses,

- ☒ Has been accepted and recorded. Thank you.  
Reference: Your letter dated April 30, 2007  
Your symbol: "**T103**"
- ☐ Cannot be recorded because another company has previously submitted the same or a very similar designation. Please submit a different one.

Sincerely,

Jeffrey Giuseppe  
Chief, Equipment Division  
Office of Vehicle Safety Compliance



VEHICLE SAFETY HOTLINE  
888 327-4236



Customer Notification Letter

07V-256 Air Brake Hose Non Compliance

VIN: \_\_\_\_\_

Ref: S/N \_\_\_\_\_

August 14, 2008

Dear Customer:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act, Title 49 Part 573.

Kalmar Industries USA, LLC (formerly Ottawa Truck Division) has determined that a noncompliance with Federal Motor Vehicle Safety Standards exist in models; Ottawa 30, 50, and 60 DOT/EPA Terminal Tractors. These suspect terminal tractors were manufactured between May 1997 and May 2007. This noncompliance exists in tractors produced during that period that were equipped with rear axle suspension or equipped with an "OTTO-RIDE rear suspension.

If you are no longer the owner of record, if the vehicle has been sold, or is no longer in service. Or if you know who the new owner is, please provide us with that information. Complete the attached form and return to:

Kalmar Industries USA,  
415 E. Dundee St  
Ottawa, Ks 66067  
Attn: Courtney Yahl

Instructions on how to remedy this noncompliance are provided within this letter

Noncompliance

The noncompliance is in the rear axle air brake hose assemblies. The crimped on hose end connector used was not a "DOT" approved Weatherhead hose fitting. A crimped permanent end "U" series hose fitting was substituted in place of a "P" series fitting.



The hoses in question are attached to the rear axle brake chambers. They attach to the air brake chambers and are routed to the brake valves mounted in the frame. The crimped permanent end fittings are the issue. Non complaint hoses fitting will have **"EATON 06U-xxx"** stamped in the outer shell of the fitting; however there will not be any marking referencing "DOT" on the fitting or on a metal identification band.

Compliant hoses will have an identification band wrapped around one end of the hose. The band will state "DOT" a three digit number and a date shown. If the hose has a reusable fitting installed on the fitting, that fitting will have the letters "DOT" stamped on the fitting.

Kalmar has not had any incidents reported from this noncompliant air brake hose. In the event that this hose should fail, we would expect that the emergency brake system would remain in service and could be used to stop the vehicle. If a failure occurred in the air line installed on the spring brake side of the brake chamber, the spring brakes would apply. Which would require that hose to be repaired before the vehicle could be returned to service.

#### Kalmar's Program for Remedy

The remedy for this noncompliance is to replace the hose. Customers should contact the local "Kalmar Dealer" or "Kalmar Customer Service Department" at 785-229-6358. Provide them with the VIN, or S/N along with the part number of the hose. The hose assembly part number may be found by consulting your parts manual. Kalmar will provide new replacement hoses. We ask that the hose replacement be performed without delay. After installation is complete, please complete the attached form and return to Kalmar Industries USA. Forms may be faxed to (785) 229-7162 or (785) 229-7142, or mailed to address shown on form.

If you prefer, you can contact your local Kalmar Ottawa Dealer to have them perform the necessary repairs.

Kalmar will reimburse (2 hours) labor per unit to perform this remedy. Labor claims should be submitted to Kalmar Industries USA; Customer Service for reimbursement. All claims for reimbursement must include documentation for labor hours and travel time (if any) and a completed confirmation form (enclosed). If you have any questions regarding this repair, contact your local Kalmar-Ottawa Dealer or Kalmar-Ottawa Customer Service Department at (785) 229-6327.

If you believe Kalmar Industries USA has failed or is unable to remedy the noncompliance without charge within a reasonable time, you may submit a complaint to: The Administrator, National Highway Traffic Safety Administration, 400 Seventh Street,



S.W., Washington, DC 20590 or call the toll free Vehicle Safety Hotline at 1-888-327-4236; (TTY: 1-800-424-9153) or go to <http://www.safercar.gov>.

If you have any questions, they should be directed to:

Kalmar Industries USA, LLC.  
415 E. Dundee  
Ottawa, KS. 60067

Courtney Yahl  
(785) 229-6327  
[Courtney.yahl@kalmarind.com](mailto:Courtney.yahl@kalmarind.com)

I wish to thank you for your cooperation in this matter. We appreciate your urgent response and support.

Sincerely

A handwritten signature in cursive script, appearing to read 'Harold King'.

Harold King  
Global Safety & Standards Manager



## CONFIRMATION OF REPAIR

Location of Unit Being Repaired:

Company \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_  
Zip \_\_\_\_\_

User:

Company \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_  
Zip \_\_\_\_\_

VIN, \_\_\_\_\_

Ottawa Serial Number, \_\_\_\_\_

Date Repair Performed \_\_\_\_\_

On the above date, I, \_\_\_\_\_ (name) performed the repairs on the above listed serial number in accordance with the Recall 07V-256 . I tested the unit upon completion of the repair for proper operation.

Signed: \_\_\_\_\_

Print Name: \_\_\_\_\_

I am not the owner of this vehicle. The new owner is:

Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Contact Mr. \_\_\_\_\_

Return to: Kalmar Industries USA  
415 E. Dundee St.  
Ottawa, Ks. 66967  
Attn: Courtney Yahl  
Fax to: (785) 229-7162