

April 23, 2009

George H. Person
Chief, Recall Management Division
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, D.C. 20590

Re: EQ09-003

Dear Mr. Person:

As a result of Haldex Brake Products Corp report on the air brake system controls valves, Terex Load King will conduct a notification and remedy campaign under the Vehicle Safety Act. Accordingly, we are submitting the enclosed Information Report containing the information required by Part 573 of your regulations, as well as a draft customer notification letter. Terex Load King is prepared to start the campaign promptly after receiving your approval of the draft customer notification letter.

If you have any questions or need additional information, please feel free to contact me directly at 425-556-8663.

Sincerely,
Terex Load King

Richard M Curtin
Product Safety Manager

090004 INFORMATION REPORT
(NHTSA RECALL NOTICE XXXXX)

1. Manufacturer's name/address:

Terex Load King
701 E. Rose Street
Elk Point, SD 57025

2. Vehicle involved in this notification: The following model of Terex trailers are subject to this recall:

Model	Production Date Range
DFPR	12/23/08 - 12/31/08
DFPR SF	11/14/08 - 12/23/08
DFPR CA	12/23/08 - 12/31/08
DFP HD	2/19/09 - 2/24/09
LFPR	2/11/2009
HFT85-3	5/12/08 - 5/14/08

This production date range covers 100% of the Terex Trailers manufactured in the time frame listed above. Affected models can be identified by verification of the model, serial number and model year found on the serial plate as follows:

Serial Number	MODEL	MODEL YEAR
27681	453/4DFPR SF	2009
27679	453/4DFPR CA	2009
27677	503/4DFPR CA	2009
27675	503/4DFPR CA	2009
27673	503/4DFPR CA	2009
27671	503/4DFPR CA	2009
27669	503/4DFPR SF	2009
27903	403/4DFP HD	2009
27902	403/4DFP HD	2009
27895	403/4DFP HD	2009
27665	453/4DFPR SF	2009
27667	453/4DFPR	2009
27821	403/4DFPR	2009
27886	403/4LFPR	2009
27602	HFT85-3	2009
27603	HFT85-3	2009

3. Total number of vehicles: Sixteen trailers have been identified. One additional part was sold for a total of 17 potentially affected trailers.

4. Approximate percentage of vehicles estimated to actually contain the condition:

Haldex Commercial Vehicle Systems, referred as Haldex hereafter, indicates that only 10 defective CRV, Quick Release Valves, have been delivered to Terex Load King. Terex Load King believes that up to 17 machines could potentially be affected by this recall. Therefore, the forthcoming Terex Load King recall notification will include 100% of the vehicles identified in items 2 & 3, above.

5. Description of the issue: Haldex Brake Products Corp. has decided that a defect which relates to motor vehicle safety exists in certain air brake system control valve, i.e. QRV, that were utilized in some heavy duty, commercial vehicle braking system applications. The rubber diaphragm used inside the QRV valves may delaminate and may cause leakage levels past and/or through the diaphragm in excess of permissible specifications, or could cause a restriction in the air flow, thereby effecting pressure delivery to the service brakes and not allow the service brakes to release. **This could lead to a vehicle crash if the enclosed inspection and replacement procedures are not completed.**

6. Chronological summary of events leading to this determination: Terex Load King first became aware of this issue on April, 13 2009 when it received a letter from NHTSA in response to Haldex notifying NHTSA of the defect. Upon receipt of this letter, Terex Load King contacted internal team members to discuss the matter and determine the appropriate course of action.

Terex Load King then contacted Haldex so that additional information could be obtained to start the required NHTSA notification pursuant to the requirements under 49 U.S.C. 573.6.

On April 20, 2009 Terex Load king received this necessary information from Haldex and initiated the NHTSA notification process.

As of the date of this letter, Terex Load King has not received any warranty claims or field or service reports related to this defect.

7. Description of proposed remedy: Terex Load King will conduct a recall by sending a Safety Recall Notice that satisfies the requirements of 49 CFR part 577.5 to all purchasers and dealers who might be affected by the recall. Notification will begin 2 weeks from receipt of your reply to this letter and approval of the draft bulletin, and will be completed one week after notification is first sent.

8. Program for remedy campaign (including program for reimbursing any consumer who obtained the remedy at his/her own expense) of this report: See description of remedy campaign in Item 7, above. Reimbursement program is detailed in the enclosed customer notification letter.

**SAFETY RECALL NOTICE NUMBER 090004
(NHTSA RECALL NOTICE XXXXX)**

Date

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

Terex Load King was informed by its supplier, Haldex Brake Products Corp (Haldex) that a defect which relates to motor vehicle safety exists in the air brake system control valves that were distributed in 2008.

The reason for this recall...

Haldex Brake Products Corp. has decided that a defect which relates to motor vehicle safety exists in certain air brake system control valve, i.e. QRV, that were utilized in some heavy duty, commercial vehicle braking system applications. The rubber diaphragm used inside the QRV valves may delaminate and may cause leakage levels past and/or through the diaphragm in excess of permissible specifications, or could cause a restriction in the air flow, thereby effecting pressure delivery to the service brakes and not allow the service brakes to release. **This could lead to a vehicle crash if the enclosed inspection and replacement procedures are not completed.**

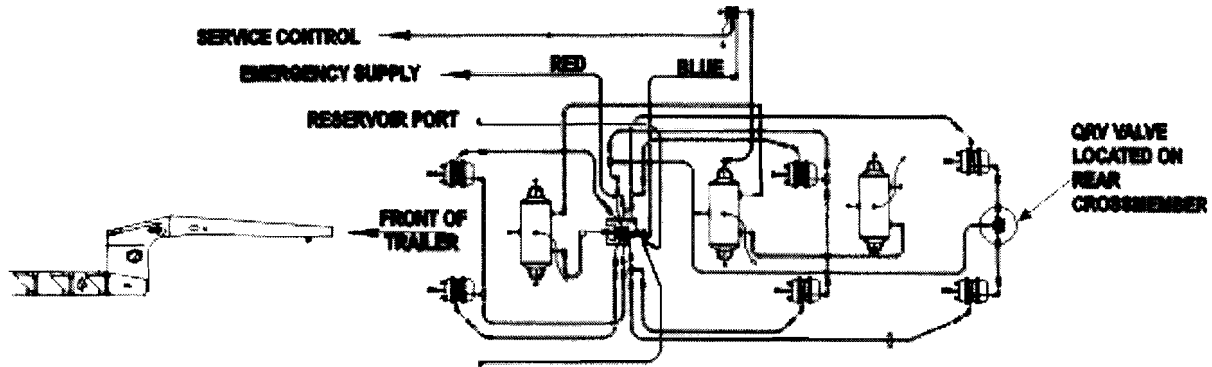
This recall applies to the following models and serial numbers.

Serial Number	MODEL	MODEL YEAR
27681	453/4DFPR SF	2009
27679	453/4DFPR CA	2009
27677	503/4DFPR CA	2009
27675	503/4DFPR CA	2009
27673	503/4DFPR CA	2009
27671	503/4DFPR CA	2009
27669	503/4DFPR SF	2009
27903	403/4DFP HD	2009
27902	403/4DFP HD	2009
27895	403/4DFP HD	2009
27665	453/4DFPR SF	2009
27667	453/4DFPR	2009
27821	403/4DFPR	2009
27886	403/4LFPR	2009
27602	HFT85-3	2009
27603	HFT85-3	2009

What we are asking you to do...

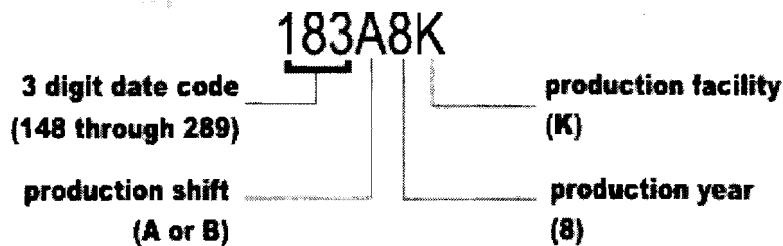
Enclosed is a list of trailers shipped to your location per Terex Load King records. Using this list, please confirm that all machines sent to your location are accounted for. Verification of the model, serial number and model year can be found on the machine serial plate.

1. Locate all affected trailers.
2. Locate the Quick Release Valve (QRV) installed on your trailer.



3. Inspect for the manufacturing date code stamped on the QRV.
 Note: The subject population of QRVs was manufactured from May 27, 2008 through October 15, 2008 with production date codes of **148 through 289** during the first (A) and second (B) shift of production at the Haldex Iola, Kansas facility (K). Refer to the attached Haldex Quick Release Valve Date Code Identification procedure.

Manufacturing date code stamp scheme:



- If the manufacturing date code falls within the affected manufacturing date codes, continue on to step 4.
- If the QRV installed on your trailer is outside of the manufacturing date code affected, no further action is necessary.



4. Fill out the enclosed parts order form and contact Haldex Corp to request for replacement QRV at no charge @:

Haldex Brake Products Corporation
Phone: 620-365-6911 ext. 1357
Fax: 816-801-2993
2702 N. State Street
Iola, Kansas 66749

Upon receipt of parts, installation must take place as soon as possible, but no later than 30 days from delivery. Refer to the attached Haldex Quick Release Valve Replacement Instructions.

Warranty:

Haldex Brake Products Corp will reimburse the associated labor cost required to complete the necessary replacement change out actions per this recall notice. Fill out the enclosed Warranty Claim form and mail to:

Quality Specialist
Haldex Brake Products Corporation
2702 N. State Street
Iola, Kansas 66749
Tel# 620-365-6911 ext 1357



If you are the lessor of any of the affected vehicles ...

If you are the lessor of this trailer, federal law requires you to forward this notice to the lessee within ten days of your receipt of this letter.

If you need help...

If you have questions or concerns regarding this recall, please contact Haldex Brake Products Corporation. If Haldex Corp are unable to remedy the defect without charge or within a reasonable time, you may also submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., 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>.

Sincerely,
Terex Load King

Enclosures:

- List of machines shipped to your location
- Parts Order Form
- Haldex Warranty Claim Form
- Haldex Quick Release Valve Date Code Identification Procedure
- Haldex Quick Release Valve Replacement Instructions.



April 20, 2009

Dear: Todd Mc Granahan
Loading (CMI Terex)
701 East Rose St.
Elk Point, DS 57025

RE: Haldex Quick Release Valve (s), P/N (include specific P/N/ listing for each customer)

Refer to Attachment # 1

To Whom It May Concern:

This Notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Haldex Brake Products Corp. has decided that a defect which relates to motor vehicle safety exists in certain air brake system control valve, i.e. Quick Release Valve (QRV), that were utilized in some heavy duty, commercial vehicle braking system applications. The rubber diaphragm used inside the QRV valves may delaminate and may cause leakage levels past and/or through the diaphragm in excess of permissible specifications, or could cause a restriction in the air flow, thereby effecting pressure delivery to the foundation brakes. This increase in leakage levels or the air line restriction could affect the performance of the vehicle's braking system which could lead to a vehicle crash if the precautions and observations noted below are not recognized.

To remedy this defect, Haldex Brake Products Corp. is replacing all effected QRVs at no charge, and will also reimburse the associated labor cost required to complete the necessary replacement/ changeout actions.

There are precautions that you can take to detect a degradation in the performance of the vehicle's braking system. These precautions include the observation and detection of air pressure leakage from the QRV, especially if the leakage levels are significant. In addition, higher leakage incidence is detectable or noticeable by unusual or prolonged air compressor run time, air pressure dash gage readings (if so equipped), low pressure warning, and observation of dragging drive axle / trailer axle spring brakes. It should be noted that air pressure dash gages and low pressure warning indicators are basic requirements of a commercial vehicle air brake system. In addition, pre-trip inspections and driver walk-around inspections could be effective in detecting unusual air system leakage conditions.

If the observations and conditions noted in the previous paragraph are not addressed, the increased QRV air pressure leakage levels could eventually deteriorate to the point that vehicle braking performance could be degraded, and could contribute to a vehicle crash.



To identify whether the vehicle contains any QRVs subject to this recall campaign, please refer to Attachment # 1. The subject population of QRVs was manufactured at the Haldex Iola, Kansas facility from May 27, 2008 through October 15, 2008, with production date codes of 148 through 289. QRV inspections should be conducted in accordance with the required Inspection criteria, as identified in Attachment # 2.

Note : not all QRVs should be replaced. Only those QRVs that were identified to be manufactured during the suspect timeframe should be replaced.

Replacement of Suspect Parts:

If the QRV has been inspected for identification and confirmed to have been manufactured during the suspect timeframe, the QRV should be removed and replaced in accordance with the Replacement Instructions, as identified in Attachment # 3. QRV replacement should be completed in approximately one half hour.

Availability of Replacement Parts:

Replacement QRVs have been obtained and are currently available. QRVs will be provided without charge as soon as requests for parts have been received from dealers and/or other service facilities.

Requests for replacement QRVs should be directed to:

Terri Stewart
TerriL.Stewart@Haldex.com
Phone: 620-365-6911 ext 1357
Fax: 816-801-2993
Haldex Brake Products Corp.
2702 N. State Street
Iola, Kansas 66749

Removed Parts Disposition:

All removed and replaced QRVs should be returned to Haldex (i.e. Iola, Kansas facility), or the dealer and/or other service facility must provide evidence of destruction.

NHTSA Notification:

If it is believed that Haldex Brake Products Corp. has failed or is unable to remedy the subject QRV problem without charge within a reasonable time, a complaint may be submitted to :

Administrator
National Highway Traffic Safety Administration
1200 New Jersey, S.E.
Washington, D.C. 20590



Or call the toll free Vehicle Safety Hotline at 1-888-327-4236 (1-800-424-9153)

Or go to <http://www.safercar.gov>

In conclusion, Haldex sincerely regrets any inconvenience that this request and associated actions may have caused you, and appreciates your consideration and cooperation in completing the required actions.

Sincerely,

HALDEX BRAKE PRODUCTS CORP.



Attachment 1

Order Account	Delivery Name	Invoice Account	Invoicing Name	Invoice Id	SalesId	Purchase Order	Haldex Ship Point	ItemId	InvoiceDate	Qty
88053380	LOADKING DIV CMI CORP	00053 380	CMI TEREX CORPORATION	0841964	00547173_039	33867	IOL	N20959EB	6/17/2008	10



Attachment 2

service Bulletin



Haldex Quick Release Valve Date Code Identification

The specification used by Haldex to identify Quick Release Valves defines a six (6) character alpha numeric date code. The first three (3) digits indicate the Gregorian Calendar day of the year. The fourth alpha character indicates the production shift. The fifth digit indicates the last number of the year of manufacture. The last alpha character indicates the manufacturing location.

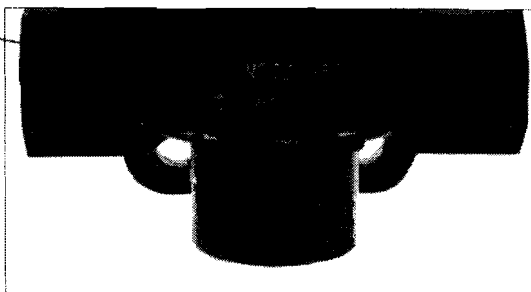
The Date Code on the Haldex QRV Valve shown here indicates:

Gregorian Date - 183 (July 1st)

Shift - A (First Shift)

Year - 8 (2008)

Location - K (Iola, Kansas)



Shift and Location indicators used by Haldex on Quick Release Valves:

Shift	Location	
A = First	A = Apodaca, Mexico	M = Grand Haven, Michigan
B = Second	B = Blue Springs, Missouri	N = Marion, North Carolina
C = Third	C = Lang Fang, China (ASIMCO)	S = Landskrona, Sweden
	G = Heidelberg, Germany	T = Paris, Tennessee
	H = Hungary	U = Redditch, U.K.
	K = Iola, Kansas	Z = Suzhou, China

Haldex Commercial Vehicle Systems

Haldex Brake Products Corporation
1930 N. Plowman Avenue
Kansas City, MO 64119
Phone: 816-851-2420
Fax: 816-851-9441

Haldex Limited
525 Southgate Drive, Unit 1
Durham, Ontario Canada N3G 5W6
Phone: 519-826-7723
Fax: 519-826-9497

www.haldex.com

US 3/09 2/0 IN-HOUSE

Quick Release Valve Replacement Instructions

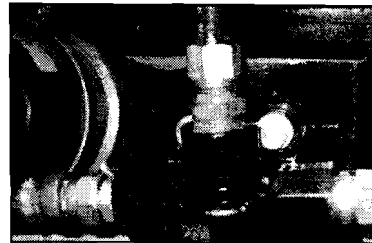
The quick release valve (QRV) may be located in several different places, depending on the make and model of vehicle. Please refer to an air system schematic diagram for the particular vehicle to determine where the quick release valve is installed in the vehicle air system.

CAUTION: Block vehicle wheels. Take proper precautions when working with compressed air. Drain all air pressure from the air system and wear safety glasses before beginning any service.

Step 1

Locate the QRV(s) on the vehicle.

Fig. 1 shows a QRV as it is typically installed on the frame.

Fig. 1

Step 2

Remove all of the hoses from the Supply and Delivery Ports of the valve. Mark/identify hoses as they are removed to assure proper reassembly.

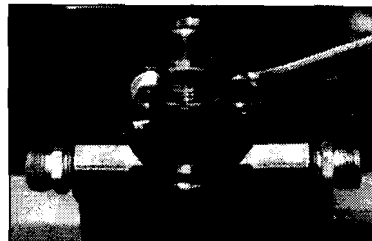
Fig. 2 shows removal of the hoses.

Fig. 2

Step 3

Remove the bolts holding the QRV to the vehicle and remove the valve from the vehicle. Haldex recommends replacing the bolts.

Fig. 3 shows removal of the bolts.

Fig. 3

Quick Release Valve Replacement Instructions Continued On Reverse Side





Attachment 3

Quick Release Valve Replacement Instructions Continued

Step 4

If required, assemble the appropriate size D.O.T.-approved fittings into the new QRV. Haldex recommends lightly coating the threads of the new fittings with a PTFE (Teflon) thread sealant. Do NOT use Teflon tape. Torque the fittings to a range of 75 to 200 in-lbs.

Fig. 4 shows installation of the fittings.

Fig. 4



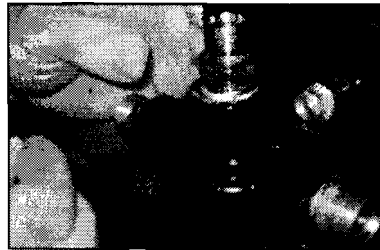
Step 5

Install the QRV onto the vehicle with 5/16 inch bolts. Recommended bolt torques:

- 5/16"-18 Grade 5 bolts = 17 ft-lbs
- 5/16"-24 Grade 5 bolts = 19 ft-lbs
- 5/16"-18 Grade 8 bolts = 24 ft-lbs
- 5/16"-24 Grade 8 bolts = 27 ft-lbs

Fig. 5 shows the QRV being mounted onto the vehicle.

Fig. 5



Step 6

Install the vehicle air hoses onto the valve. Use wrenches on both the fitting and the hose to make certain that fitting torques into the QRV remain in the range of 75 to 200 in-lbs.

Fig. 6 shows a hose being connected.

Fig. 6



Step 7

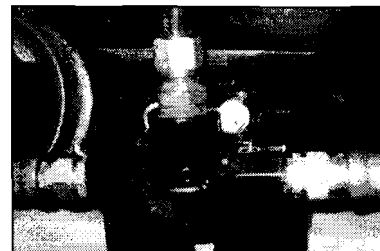
Verify that all connections are tight.

Pressurize the air system and check the connections for leaks.

Check the brake system for proper operation before driving the vehicle. Road test the vehicle.

Fig. 7 shows a correctly replaced Quick Release Valve.

Fig. 7



Haldex Commercial Vehicle Systems

Haldex Brake Products Corporation
19931 N. Pershing Avenue
Kansas City, MO 64115
Phone: 816-851-9430
Fax: 816-851-9447

Haldex Limited
925 St. Joseph Curve, Unit 1
Gardiner, Ontario Canada N1G 3W6
Phone: 519-825-7228
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www.haldex.com

US 3/09 270 IN-HOUSE