SCHEME OF TESTING AND INSPECTION
FOR CERTIFICATION OF
AUTOMOTIVE VEHICLES – BREAK HOSE ASSEMBLIES FOR HYDRAULIC BREAKING
SYSTEMS USED WITH NON-PETROLEUM BASE BRAKE FLUID
ACCORDING TO IS 7079:2008

1. LABORATORY - A laboratory shall be maintained which shall be suitably equipped and staffed,
where different tests given in the specification shall be carried out in accordance with the methods given
in the specification.

1.1 All testing equipment/apparatus shall be periodically checked and calibrated records of such
checks & calibration shall be maintained.

2. TEST RECORDS - All records of tests and inspection shall be kept in suitable forms approved by
the Bureau.

2.1 Copies of any records and other connected papers that may be required by the Bureau shall be
made available at any time on request.

3. QUALITY CONTROL – It is recommended that, as far as possible. Statistical Quality Control
(SQC) methods may be used for controlling the quality of the product during production as envisaged in
this scheme ((See IS 397 (Part 1) to IS 397(Part 4)).

3.1 In addition, effort should be made to gradually introduce Quality Management system in
accordance with IS/ISO 9001.

4. STANDARD MARK - The Standard Mark, as given in Column (1) of the First Schedule of the
licence, shall be suitably marked legibly and indelibly on each automotive brake hose assembly provided
always that the brake hose assembly to which this mark is applied conforms to every requirement of the
specification.

4.1 MARKING - In addition, the following details shall also be marked legibly and indelibly on each
brake hose assembly:

a) Manufacturer’s name or trade mark;
b) Hose denomination;
c) HL marking for low expansion hose
d) HR marking for regular expansion hose
e) Month and year of manufacture;
f) Batch number or date code to trace back to the date of manufacture;
g) ‘Made in India’ if required; and
h) Licence No. (CM/L……)

5 LEVELS OF CONTROL : The tests, as indicated in Table 1 attached and at the levels of
control specified therein, shall be carried out on the whole production covered under this scheme and
appropriate records and charts maintained in accordance with paragraph 2 above. On the basis of test
results decision regarding conformity or otherwise of the control unit shall be taken. All the production
which conforms to the Indian Standard and covered by the licence shall be marked with Certification
Mark of the Bureau.
5.1 **CONTROL UNIT** - For the purpose of this scheme, all brake hose assemblies of the same type size and diameter, having the same number of plies, produced under essentially similar conditions of manufacture (such as those from single batch of raw material or from components obtained from a single source or from a single production method or undergoing a single curing process manufactured in a day shall constitute a control unit.

5.2 **MATERIALS** - The various raw material used in the manufacture of brake hose assemblies shall conform to the various requirements given in the specification.

5.3 On the basis of tests and inspection, the decision regarding conformity or otherwise of the control unit to a given requirement shall be made.

5.4 In respect of all other clauses of the specification at all stages of production, appropriate controls and checks shall be maintained by the factory so as to ensure that the product conforms to the various requirements of the specification.

6. **REJECTIONS** - A separate record shall be maintained giving information relating to the rejection of production not conforming to the requirements of the specification and the method of its disposal. Such material shall in no case be stored together with that conforming to the specification.

7. **SAMPLES** - The licensee shall supply, free of charge, the samples required in accordance with the Bureau of Indian Standards (Certification) Regulations 1988, as subsequently amended, from his factory or godowns. The Bureau shall pay for the samples taken by it from the open market.

8. **REPLACEMENT** - Whenever a complaint is received soon after the goods with Standards Mark have been purchased and used, and if there is adequate evidence that the goods have not been misused, defective goods are replaced free of cost by the licensee in case the complaint is proved to be genuine and the warranty period (where applicable) has not expired. The final authority to judge conformity of the product to the Indian standard shall be with the Bureau. The firm shall have own complaint investigation system as per IS/ISO 10002.

8.1 In the event of any damage caused by the goods bearing the Standard Mark, or claim being filed by the consumers against BIS Standards Mark and not "conforming to" the relevant Indian Standard, entire liability arising out of such non-conforming product shall be of the licensee and BIS shall not in any way be responsible in such cases.

9. **STOP MARKING** - The marking of the product shall be stopped under intimation to the Bureau if, at any time, there is any difficulty in maintaining the conformity of their product to the specification, or the testing equipment goes out of order. The marking may be resumed as soon as the defects are removed under intimation to Bureau.

9.1 The marking of the product shall be stopped immediately if directed to do so by Bureau for any reason. The marking may then be resumed only after permission by the Bureau. The information regarding resumption of markings shall also be sent to the Bureau.

10. **PRODUCTION DATA** - The licensee shall send to BIS as per the enclosed proforma-1 to be authenticated by a Chartered Accountant a statement of quantity produced, marked and exported by him and the trade value thereof at the end of each operative year of the licence.
# AUTOMOTIVE VEHICLES – BREAK HOSE ASSEMBLIES FOR HYDRAULIC BREAKING SYSTEMS USED WITH NON-PETROLEUM BASE BRAKE FLUID

## TABLE 1 LEVELS OF CONTROL

(Para 5 of the Scheme of Testing and Inspection)

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<th>REMARKS</th>
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<tr>
<td>4.2.1</td>
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Note 1: In case of any failure, frequency shall be changed to alternate control units and original frequency restored only if five consecutive units tested are found passing.
PROFORMA - 1

PROFORMA FOR OBTAINING PRODUCTION DETAILS

Period covered

Name of Licensee

CM/L No.

Name of Articles (s) IS No.
Grade/Type/Size/Variety/Class/Rating

1.1 Brand/Trade/Name(s) of BIS Certification Marked Products

2.0 Total production of the articles(s)
Licensed for certification marking

2.1 Total production of the article(s)
Conforming to Indian Standard

3.0 Production covered with BIS Certification Mark and its Value
   a) Quantity
   b) Value (Rs.)

3.1 Brand Name used on production covered under BIS Certification Mark

3.2 Calculation of marking fee on unit-rate basis; Marking Fee per unit
   a) Unit
   b) Quantity covered with BIS Certification Mark
   c) Marking fee rounded off in whole rupees as obtained by applying unit rates given in (a) on quantity given in (b)

Note: Incase a clause is not applicable, suitable remarks may be given against it.

4.0 Quantity not covered with BIS Certification Mark. If any, and the reasons for such non-coverage
4.1 Brand Name under with non certified goods were sold
5.0 Quantity Exported with BIS Standard Mark and its value
5.1 Brand Name under which BIS Certified goods are exported
6.0 Authentication by Chartered Accountant