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Vehicle Part : Shock-Absorber  
Client : Gerep Maschinenbau GmbH, D-29556 Suderburg

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## Technical Report

by

TÜV NORD STRASSENVERKEHR GMBH & Co. KG  
**Technische Prüfstelle für den Kraftfahrzeugverkehr**  
Am TÜV 1, D-30519 Hannover

### 0. General

- 0.1. Client : Gerep Maschinenbau GmbH  
Alter Postweg 10  
29556 Suderburg
- 0.2. Manufacturer : as 0.1.
- 0.3. Vehicle Part : Shock absorber
- 0.5. Product no. : see appendix 1
- 0.6. Variant : see appendix 1
- 0.8. Marking : see appendix 1

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## 1. Technical information

1.1. Description : Aftermarket shock absorber for goods vehicle

## 2. Tests performed

### 2.0. Scope

Different variants of the shock absorbers manufactured by the client have been tested measuring the force - displacement characteristics for different rates of compression – expansion speeds. Further more, the energy absorption of the shock absorbers was determined for different speeds. The test results were compared with the results measured on OE-shock absorbers. Additionally, the dimensions and the fittings were compared with the OE-shock absorbers. Two technical reports, one about the shock absorber characteristics of the shock absorbers manufactured by the client by the Fraunhofer Institut, report no. LNF 138 142 and a second one by the Wehrtechnischen Dienststelle Trier, WTD 41 (technical testing institute of the German army) about the durability of shock absorbers by the client were also taken into consideration.

### 2.1. Test results

The comparison of the OE-shock absorbers and the ones manufactured by the client did not show significant differences in performance.

## 3. Scope

See appendix 1

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#### 4. Summary/ Final Confirmation

The parts handed in for inspection comply with the details given above.

We certify that vehicles as detailed in 3., equipped with the correct shock absorbers manufactured by the client fulfil the demands of the German StVZO (German road legislation).

No technical objections exist against the installation of the described vehicle parts into the vehicles detailed in annex 1.

The shock absorbers manufactured by the client can be considered to be identical quality replacement parts in terms of the regulation 1400/2002/EC by the European commission, dated 31.07.2002.

This technical report consists of 3 pages, and the annex described under 5.

This document may only be duplicated by the client, and may only be published in full wording.

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The report will be void

- at technical alterations to the shock absorbers.
- if the vehicles listed in 3. will be altered in parts which are relevant for the use of the shock absorbers.

#### 5. Annex

	<u>Drawing No.</u>	<u>Dated</u>
1. List of shock absorbers	--	12.04.05

Norderstedt, 13.04.2005  
SFT-NOR/Sa



Dr.-Ing. Safarovic

Amtlich anerkannter Sachverständiger

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officially approved expert for vehicle technology