

Report
over the sealing behavior of the Dunlop Tire Mobility system at
different tire sizes



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this report covers 5 sides as well as well as the attachment 1 to 5.
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1. Range of the investigation:

Trial trips with VOLKSWAGEN Touareg in connection with different tire sizes with cold weather.

Based on investigations already accomplished for this the following cycle was defined:

Drive on a mountain route with maximally 50 kmh with condition phase after 5 min. (3.5 km) for 30 s. Subsequently, drive on with maximally 50 kmh on a distance of 3,5 km.

Total total 7.0 km, Travel time 10 min.

sealant quantities used and the tire sizes.

Test no.	Tyre size	Tyre brand and type	Amount of latex used	Leek rate in [bar/min]

4. Summary

Test no.	Tyre size	Amount of latex used	Leak rate in [bar/min]	Position of the damage:	Sealed in run in cycle 7 km/t for 10 min	Sealed after 10,1 kn	Sealed after 13,2 km

S = shoulder LF = tread within the range of a longitudinal groove

*) 6 mm drift

**) tires deviating from the other attempts twice in the same place damages comparable leakage rate. Leakage rate after first damage 0.06 bar.

Systems

attachment 1: Single results of the trial trips