



Test Report 102745



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Test specimen:

Engine Flush (EF)

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Sitz der Gesellschaft:
Hamburg

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The results refer only to the specimens mentioned above. The Test Report must always be copied entirely. Any copying of extracts and publication require the prior consent of the Laboratory.



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General

Testing according to VW 2.8.1 A70

The aim of the test was not to check the resistance of the rubber, but the influence of the Engine Flush (EF) on this.

For this reason, testing VW 2.8.1 A70 was done with a NBR/PVC rubber (test plates), storage in engine oil Lubrizol OS 206304 without addition and with additional EF (1:15).

All Tests are realized according to the general guidelines of DIN ISO 23529 "Rubber - General procedures for preparing and conditioning test pieces for physical test methods" 2007-01.

The Standard-Laboratory conditions are

- Standard-Laboratory temperature (23 ±2) °C
- Standard-Humidity (50 ±10) % relative Humidity

Results

Test	Without EF	Engine Flush 1:15
After storage 168 h in engine oil Lubrizol OS 206304 at room temperature		
Shore Hardness A	70	69
Tensile strength [N/mm ²]	12,0	12,2
Elongation at break [%]	575	594
Swelling weight change [%]	-1,53	-1,60

The results show that the Engine Flush has no impact on the resistance of the used NBR/PVC against the engine oil Lubrizol OS 206304.

The low differences between the results are in the range of measurement inaccuracy.

Hamburg, 16. August 2011

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