

1. SUBJECT

Consumption test to compare the consumption of the vehicle with and without the filter described in PCT/IB2012/002851.

Description:

Ref. SUBJECT

DRW. N.	N.A.	REV
Engineering specification	: -	

2. EQUIPMENT:

Vehicle:

Type vehicle	Volkswagen Golf Variant
S/N	WVWZZZ1KZ8M313574
Displacement	1896 cc
Kw	77 Kw

Dynamometer test bench:

Temperature	From 20°C to 28°C
Incline	7%



TEST REPORT CONSUMPTION TEST

Date: 21/11/2013

Submitted by: Emer SpA

Presentato a: IO-Energies S.r.l.

3. TESTS PERFORMED

TEST 1: Test performed on the vehicle without the filter

Km start test	85226 Km
Km at 90 km/h (4 th gear)	25 Km (from 85226 Km to 85251 Km)
Km at 120 km/h (5 th gear)	25 Km (from 85251 Km to 85276 Km)
Km end test	85276 Km
LT fuel consumed	4,53 l

TEST 2: Test performed on the vehicle with the filter

Km start test	85279 Km
Km at 90 km/h (4 th gear)	25 Km (from 85279 Km to 85304 Km)
Km at 120 km/h (5 th gear)	25 Km (from 85304 Km to 85329 Km)
Km end test	85329 Km
LT fuel consumed	3,77 l

4. RESULTS

<u>DIESEL CONSUMPTION</u>	LT/TEST	LT/100 KM
TEST 1	4,53 l	9,06 l
TEST 2	3,77 l	7,54 l
FUEL SAVING	0,76 l	1,52 l

SAVING %	16,78%
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Roberto DeFilippi
R&D Director

