

# TEST REPORT CONSUMPTION TEST

Date: 08/04/2015

Submitted by: Emer SpA

Presentato a: iO-ENERGIES  
AG

## 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	: -	

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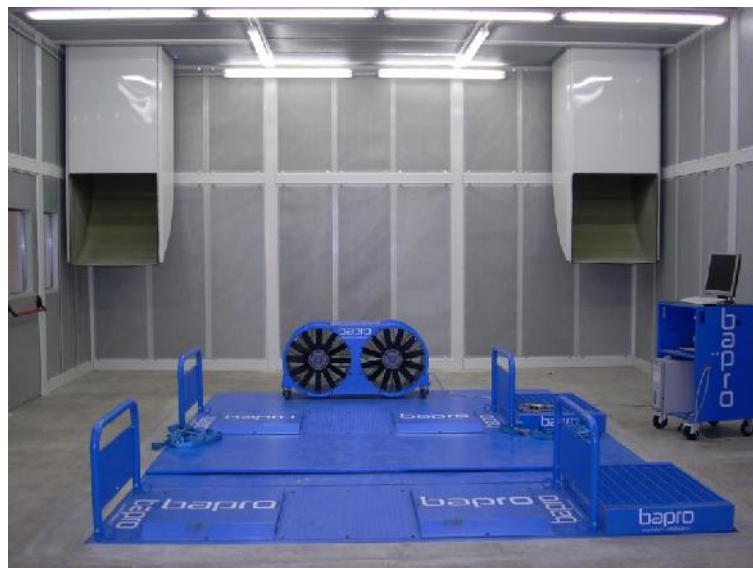
## 2. EQUIPMENT:

Vehicle:

Type vehicle	Mitsubishi Pajero
S/N	JMBLYV98W7J07001
Displacement	3200 cc
Kw	125

Dynamometer test bench:

Temperature	From 20°C to 28°C
Incline	5%



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## 3. TESTS PERFORMED

TEST 1: Test performed on the vehicle without the filter

Km start test	116618 Km
Km at 90 km/h (D3 gear)	25 Km (da 116618 Km a 116643 Km)
Km at 120 km/h (D5 gear)	25 Km (da 116643 Km a 116668 Km)
Km end test	116668 Km
LT fuel consumed	6,78 l

TEST 2: Test performed on the vehicle with the filter

Km start test	116671 Km
Km at 90 km/h (D3 gear)	25 Km (da 116671 Km a 116696 Km)
Km at 120 km/h (D5 gear)	25 Km (da 116696 Km a 116721Km)
Km end test	116721 Km
LT fuel consumed	5,36 l

## 4. RESULTS

<u>DIESEL CONSUMPTION</u>	LT/TEST	LT/100 KM
TEST 1	6,78 l	13,56 l
TEST 2	5,36 l	10,72 l
FUEL SAVING	1,42 l	2,84 l

<b>SAVING %</b>	<b>20,95%</b>
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Silvio Tartari  
R&D Director