

TEST REPORT CONSUMPTION TEST

Date: 29/09/2014

Submitted by: Emer SpA

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

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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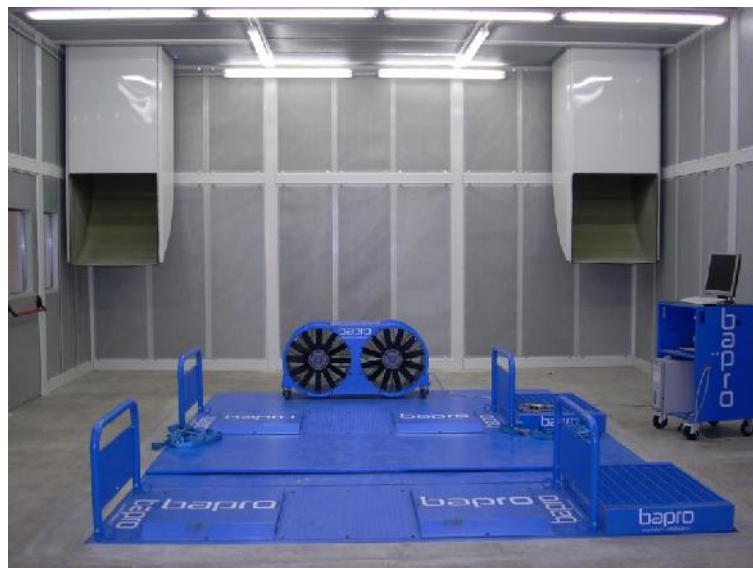
2. EQUIPMENT:

Vehicle:

Type vehicle	Lexus Xu3
S/N	JTJHK31U002035333
Displacement	3465cc
Kw	203

Dynamometer test bench:

Temperature	From 20°C to 28°C
Incline	10%



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3. TESTS PERFORMED

TEST 1: Test performed on the vehicle without the filter

Km start test	330517 Km
Km at 90 km/h (D3 gear)	25 Km (from 330517 Km to 330542 Km)
Km at 120 km/h (D5 gear)	25 Km (from 330542 Km to 330567 Km)
Km end test	330542 Km
LT fuel consumed	15,05 l

TEST 2: Test performed on the vehicle with the filter

Km start test	330600 Km
Km at 90 km/h (D3 gear)	25 Km (from 330600 Km to 330625 Km)
Km at 120 km/h (D5 gear)	25 Km (from 330625 Km to 330650 Km)
Km end test	330650 Km
LT fuel consumed	13,45 l

4. RESULTS

<u>DIESEL CONSUMPTION</u>	LT/TEST	LT/100 KM
TEST 1	15,05 l	30,10 l
TEST 2	13,45 l	26,9l
FUEL SAVING	1,60 l	3,80 l

SAVING %	10,63%
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Silvio Tartari
R&D Director