

TEST REPORT CONSUMPTION TEST

Date: 29/09/2014

REV

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.

Engineering : specification

EMER Spa - Unipersonale - Via Bormioli, 19 - 25135 - Z. Ind. S. Eufernia - Brescia - Italia - Tel. 030.2510391 - Fax 030.2510392 - P.I./C.F. 00626960173 - www.emer.it - info@emer.it



Associato AlB Sistema Confindustria





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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 vehcile 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

DIESEL CONSUMPTION	LT/TEST	LT/100 KM
TEST 1	15,05 l	30,10 l
TEST 2	13,45 l	26,91
FUEL SAVING	1,60 I	3,80 l

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

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Associato AIB Sistema Confindustrio





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