



የኢትዮጵያ የተስማሚነት ምዘና ድርጅት Ethiopian Conformity Assessment Enterprise

ቁጥር (NO) 2/11/27/115/2022
ቀን (Date) 21 JUN 2022

To: TBK Import and Export PLC
ADDIS ABABA

Subject: - Notification of Insepciton & Test Result

Reference is made in your letter numbered Ref. TBK/Tie/027/2022 dated, 24/06/2014 in which you requested us to Insepct and test the Quality of Different types Fuel Enhancer & Emission Reducer Device that Imported from abroad.

Accordingly we had taken five representative sapmples from Five types of the product and the testing was conducted on the following two types and the finding result is attached here with.

Se no.	Types of Item	Lot size (Pcs)	Sample size (Psc)
1	Fuel Saving Devise Gasoline/pe Tank capacity less than 60 litter	1,988	2
2	Fuel Saving Devise Diesel power Tank capacity less than 100 litter	2,861	2

Sincerely yours,

Tsegay Berhe
Director Inspection

Enclosure:

- 12 pages test result (MPTR/0001 & 0002/2014)

CC:

Ethiopian Conformity Assessment Enterprise

- Opetation Deput Director
 - Inspection Directorate
 - Customers Service
- Addis Ababa

Head Quarters

House No. New
Woreda 6,Bole Sub-city
P.O.Box: 11145
Addis Ababa,Ethiopian
Tel: + 251(0)118962002
Fax: + 251 (0)116670245
Email: info-cp@eca-e.com
(Complian Handling)
Web site: www.eca-e.com
Bank Account
Commercial Bank of Ethiopia(CBE)
Megenagna Branch
Account No. 1000005054366
TIN No.0020245227

Director General Office

Tel: + 251(0)116670251
Tel: + 251(0)118695041
Tel: + 251(0)118962002
Fax: + 251 (0)116670245
Email: info-dg@eca-e.com

Operation Deputy Director General

Tel: + 251(0)116518205
Email: info-oddg@eca-e.com

Corporate services Deputy Director General

Tel: + 251(0)116670246
Email: info-cddg@eca-e.com

Customer Services

Tel: + 251(0)116516468
Tel: + 251(0)118960258
Tel: + 251(0)116670249
Email: info-cs@eca-e.com

Certification Directorate

Tel: + 251(0)116518205
Tel: + 251(0)116459308
Email: info-ed@eca-e.com

Inspection Directorate

Tel: + 251(0)118960261
Email: info-id@eca-e.com

Biochemical Testing Laboratory Directorate

Tel: + 251(0)116518195
Email: info-btld@eca-e.com

Electro Mechanical Testing Laboratory Directorate

Email: info-emtld@eca-e.com

Corporate Communication & Marketing Directorate

Tel: + 251(0)118787514
Email: info-cc@eca-e.com

Finance and Supplies Directorate

Tel: + 251(0)118695044
Email: info-fi@eca-e.com

Human Resource Development & Change Directorate

Tel: + 251(0)118787515
Fax: + 251 (0)116459720
Email: info-hr@eca-e.com

Central Branch Adama

Tel: + 251(0)221112278
Fax: + 251 (0)221128066
Email: info-br@eca-e.com

Southern Branch (Hawassa)

Tel: + 251(0)462214732
Fax: + 251 (0)462204488
Email: info-hawassa-br@eca-e.com

North Western Branch (Bahier Dar)

Tel: + 251(0)582200724
Fax: + 251 (0)582200724
Email: info-bahierdar-br@eca-e.com

North Eastern Branch (Dessie)

Tel: + 251(0)331111664
Fax: + 251 (0)331119069
Email: info-dessie-br@eca-e.com

Eastern Branch (Dire Dawa)

Tel: + 251(0)251113159
Fax: + 251 (0)251121426
Email: info-diredawa-branch@eca-e.com

North Branch (Meskele)

Tel: + 251(0)344406280
Fax: + 251 (0)344406280
Email: info-mekele@eca-e.com

ወደ ላቀ ብቃት የሚያደርስዎ!
Moving you forward!

	የኢትዮጵያ የተስማሚነት ምዘና ድርጅት Ethiopian Conformity Assessment Enterprise	Document No. TLD/F7.08-1	
		Copy No: -	Rev No: 1
Title: TEST REPORT የፍተሻ ሪፖርት		Page No: 1 of 5	Effective Date: 10 Oct21

Name and address of client:	TBK Import and Export PLC, Addis Ababa	Test Report No:	MPTR/0001/2014
Tel: -	+251-911-52-30-11	Test Order No:	TBK/Tie/027/14
Fax:	---	Reported date:	20/06/2022
E-mail:	---	Date of sampling	15/5/2022
Date sample Received:	19/5/2022	Place of sampling	Not specified
Client Sample code:	ID/0110 B/14 (G10A)	Sampled and submitted by	ECAE Inspection Directorate
Type of sample	Fuel Saving Device Gasoline/Petrol Motorcycle or Generator Tank Capacity Less than 60 liters (GREENTECH)	Date tested:	16/06/2022 & 20/05/2022
Lab Designated number	14251003	Method /Specification	CES 6655:2021

Fuel Economy Testing Results

Table 1 Fuel Economy Testing Results

Engine type/ fuel	Fuel economy km/l- before device installation	Fuel economy km/l- after device installation	Fuel economy increase (%)
Gasoline Engine	20.74	25.28	17.95

Table 2 Description of the tested vehicles

Items	Gasoline Engine
Make	Suzuki
Model	DZIRE
Serial #	MA3CZF63500807832
Engine type	Gasoline
Idle speed	600
Year of manufacture	Not Specified
Plate #	2 B81296 AA
Last service date (prior to testing)	-

11145

☎ 011 6 46-05-69, Fax. 011 6 45-97-20, E-mail info-cs@eca-e.com Web site: www.eca-e.com
 BOLE SUBCITY, WOREDA 6
 ADDISABABA, ETHIOPIA



	የኢትዮጵያ የተስማሚነት ምዘና ድርጅት Ethiopian Conformity Assessment Enterprise	Document No. TLD/F7.08-1	
		Copy No: -	Rev No: 1
Title: TEST REPORT የፍተሻ ሪፖርት		Page No: 2 of 5	Effective Date: 10 Oct21

Emissions Testing Results

Table 3 Gasoline Engine- gaseous emissions tests results

Gasoline Engine				
Parameters	Average concentration- Before	Average concentration- After	Remarks	ES 6655:2021 requirement
Oxygen, O ₂ (%)	0.08	0.13	Increase	Decrease
Carbon Dioxide, CO ₂ (%)	15.45	15.40	Decrease	Increase
Oxides of Nitrogen, NO _x (ppm)	262	167	Decrease	Decrease
Carbon Monoxide, CO (ppm)	<1	<1	Below detection limit	Decrease
Hydrocarbons, HC (ppm)	>40,000	>40,000	Above the measurement range	Decrease
Sulphur Dioxide, SO ₂	2	1	Decrease	Decrease

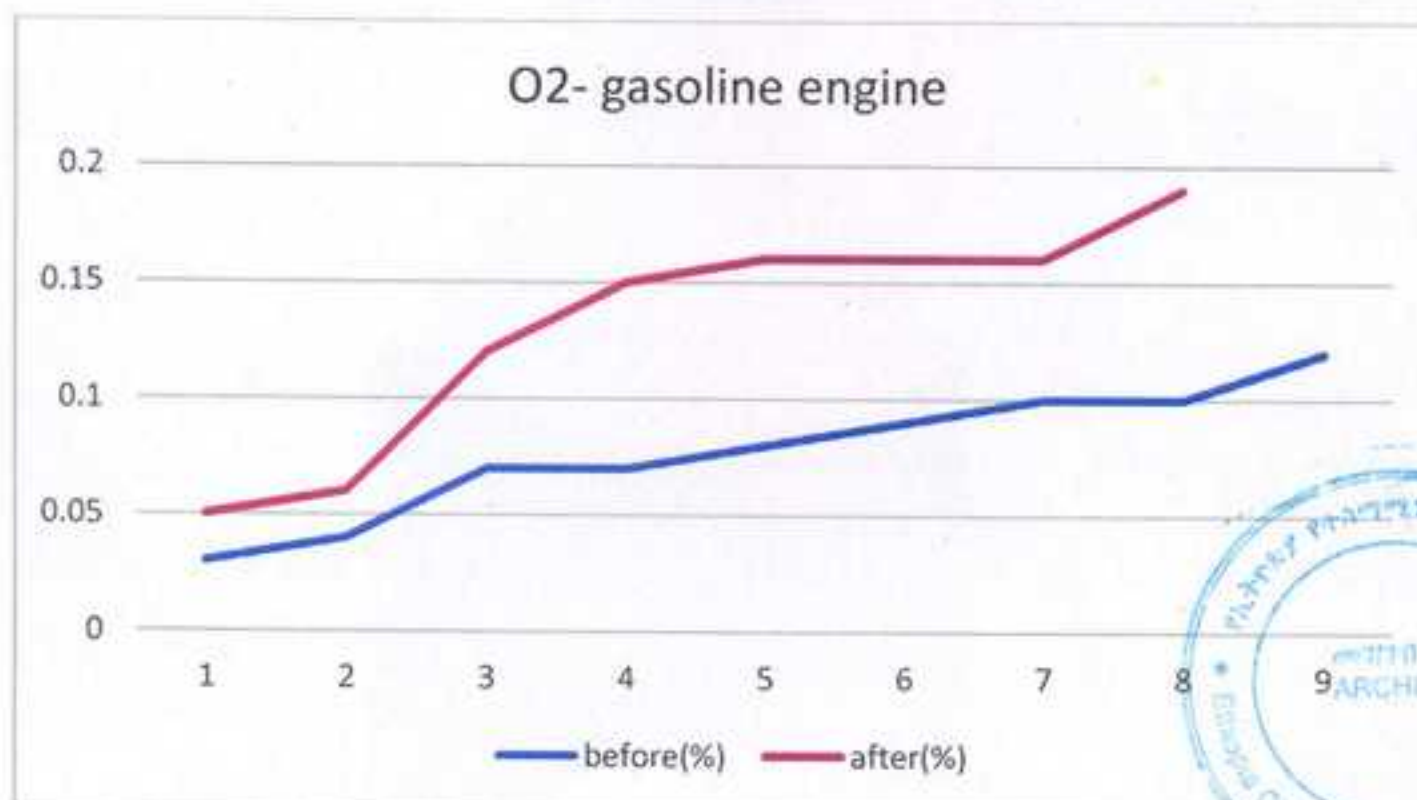


	የኢትዮጵያ የተስማሚነት ምዘና ድርጅት Ethiopian Conformity Assessment Enterprise	Document No. TLD/F7.08-1	
		Copy No: -	Rev No: 1
Title: TEST REPORT የፍተሻ ሪፖርት		Page No: 3 of 5	Effective Date: 10 Oct21

Table 4 Description of the tested vehicles

Items	Gasoline Engine
Make	Mitsubishi
Model	Attrage
Serial #	MMDAFT6JMH00499
Engine type	Gasoline
Idle speed	800
Year of manufacture	2021
Plate #	2 B81296 AA
Last service date (prior to testing)	03/04/2022

Graphical presentation of the gaseous emissions testing results



11145

☎ 011 6 46-05-69, Fax. 011 6 45-97-20, E-mail info-cs@eca-e.com Web site: www.eca-e.com
 BOLE SUBCITY, WOREDA 6
 ADDISABABA, ETHIOPIA



የኢትዮጵያ የተስማሚነት ምዘና ድርጅት

Ethiopian Conformity Assessment Enterprise

Document No.
TLD/F7.08-1

Copy No:

Rev No:

1

Title:

TEST REPORT

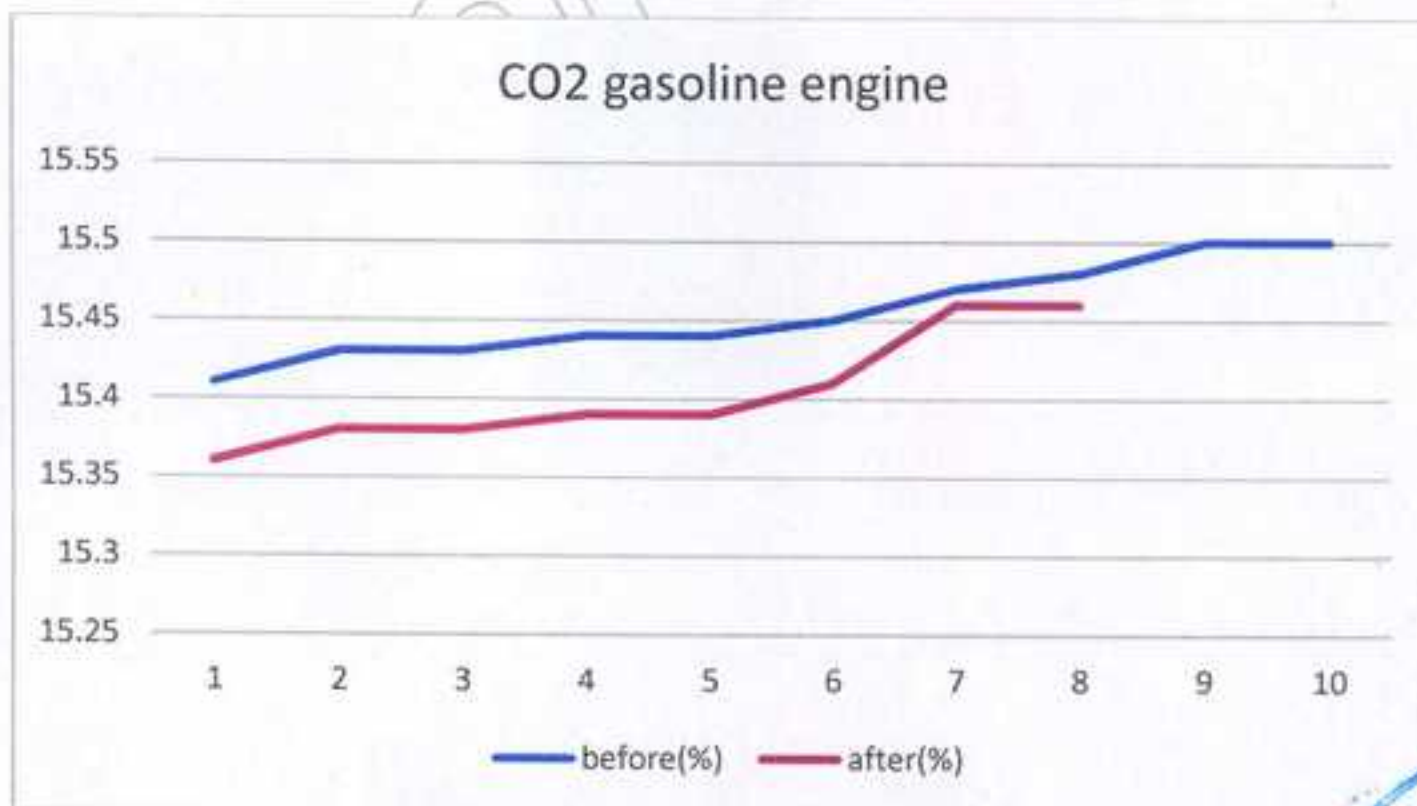
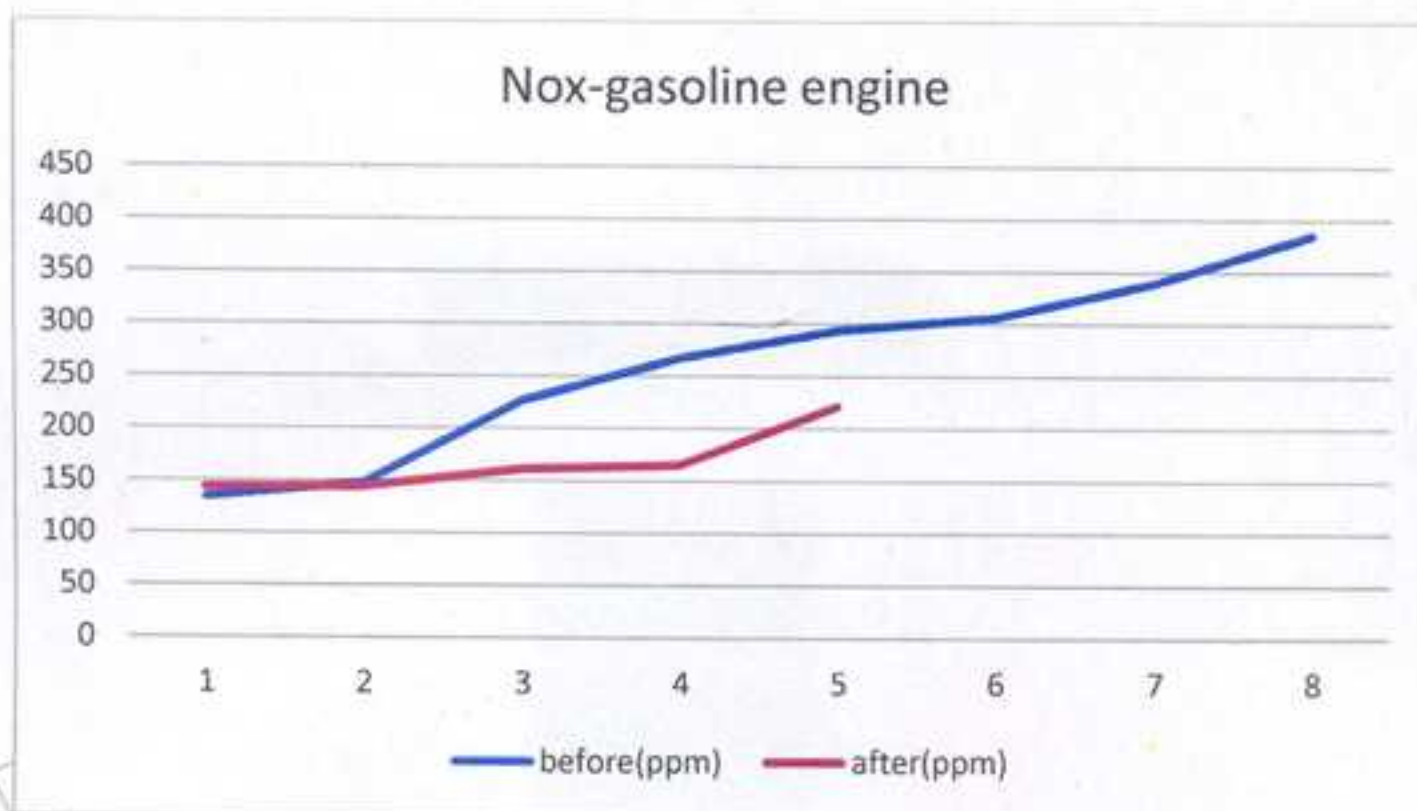
የፍተሻ ሪፖርት

Page No:

4 of 5

Effective Date:

10 Oct21



Remark

- 1 This test report relates only to the specific sample product which has been tested by ECAE testing laboratory.
- 2 Only fuel saving capacity and emission reduction tests were performed.

11145

☎ 011 6 46-05-69, Fax. 011 6 45-97-20, E-mail info-cs@eca-e.com Web site: www.eca-e.com

BOLE SUBCITY, WOREDA 6
ADDISABABA, ETHIOPIA



	የኢትዮጵያ የተስማሚነት ምዘና ድርጅት Ethiopian Conformity Assessment Enterprise	Document No. TLD/F7.08-1	
		Copy No: -	Rev No: 1
Title: TEST REPORT የፍተሻ ሪፖርት		Page No: 5 of 5	Effective Date: 10 Oct21

- 3 For fuel saving test 99.3 km distance were driven with a speed of 100Km/h and the remaining 7.9 Km speed were under 100 Km/h.
- 4 There was a traffic jam for 20 minutes at the exit of Tulu Dimtu Toll Plaza.
- 5 The emission reduction test result is an outsourced.

Test report authorized by, Name Tefera Tadesse Position: Team Leader Sign. 

INVALID IF
COPIED



11145

☎ 011 6 46-05-69, Fax. 011 6 45-97-20, E-mail info-cs@eca-e.com Web site: www.eca-e.com
 BOLE SUBCITY, WOREDA 6
 ADDISABABA, ETHIOPIA

	የኢትዮጵያ የተስማሚነት ምዘና ድርጅት Ethiopian Conformity Assessment Enterprise	Document No. TLD/F7.08-1	
		Copy No. -	Rev No. 1
Title: TEST REPORT የፍተሻ ሪፖርት		Page No. 1 of 7	Effective Date: 10 Oct21

Name and address of client:	TBK Import and Export PLC, Addis Ababa	Test Report No:	MPTR/0002/2014
Tel:	+251-911-52-30-11	Test Order No:	TBK/Tie/027/14
Fax:	---	Reported date:	20/06/2022
E-mail:	---	Date of sampling	15/5/2022
Date sample Received:	19/5/2022	Place of sampling	Not specified
Client Sample code:	ID/0110 D/14 (D 10)	Sampled and submitted by	ECAE Inspection Directorate
Type of sample	Fuel Saving Device Diesel Power Generator/Lawnmower Tank Capacity Less than 100 liters (GREENTECH)	Date tested:	16/06/2022 & 20/05/2022
Lab Designated number	14251005	Method /Specification	CES 6655:2021

Fuel Economy Testing Results

Table 1 Fuel Economy Testing Results

Engine type/ fuel	Fuel economy km/l- before device installation	Fuel economy km/l- after device installation	Fuel economy increase (%)
Diesel Engine	14.44	21.75	33.6

Table 2 Description of the tested vehicles

Items	Diesel Engine
Make	Toyota
Model	Hilux Adventure
Serial #	MR0BA8CD3N0238839
Engine type	Diesel
Idle speed	450
Year of manufacture	2020
Plate #	3 B45106 AA
Last service date (prior to testing)	-

	የኢትዮጵያ የተስማሚነት ምዘና ድርጅት Ethiopian Conformity Assessment Enterprise	Document No. TLD/F7.08-1	
		Copy No: -	Rev No: 1
Title: TEST REPORT የፍተሻ ሪፖርት		Page No: 2 of 7	Effective Date: 10 Oct21

Emissions Testing Results
Table 3 Diesel Engine- gaseous emissions tests results

Diesel Engine				
Parameters	Average concentrations- Before	Average concentrations- After	Remarks	ES 6655:2021 requirement
Oxygen, O ₂ (%)	16.50	17.93	Increase	Decrease
Carbon Dioxide, CO ₂ (%)	3.34	2.28	Decrease	Increase
Oxides of Nitrogen, NO _x (ppm)	352	249	Decrease	Decrease
Carbon Monoxide, CO (ppm)	1.5	21.8	Increase	Decrease
Hydrocarbons, HC (ppm)	317	66	Decrease	Decrease
Sulphur Dioxide, SO ₂	3.2	3.2	No change	Decrease



	የኢትዮጵያ የተስማሚነት ምዘና ድርጅት Ethiopian Conformity Assessment Enterprise	Document No. TLD/F7.08-1	
		Copy No: -	Rev No: 1
Title: TEST REPORT የፍተሻ ሪፖርት		Page No: 3 of 7	Effective Date: 10 Oct21

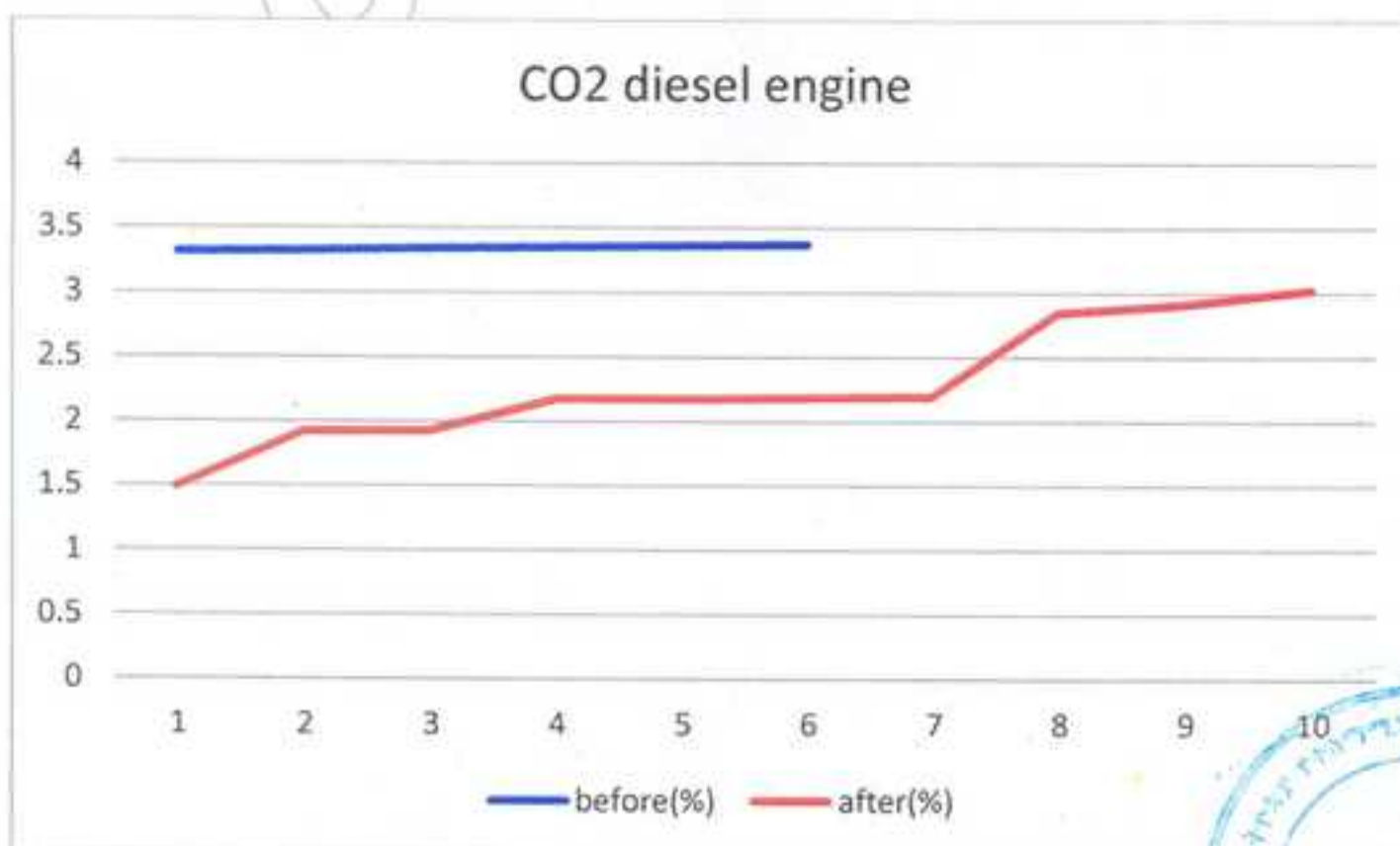
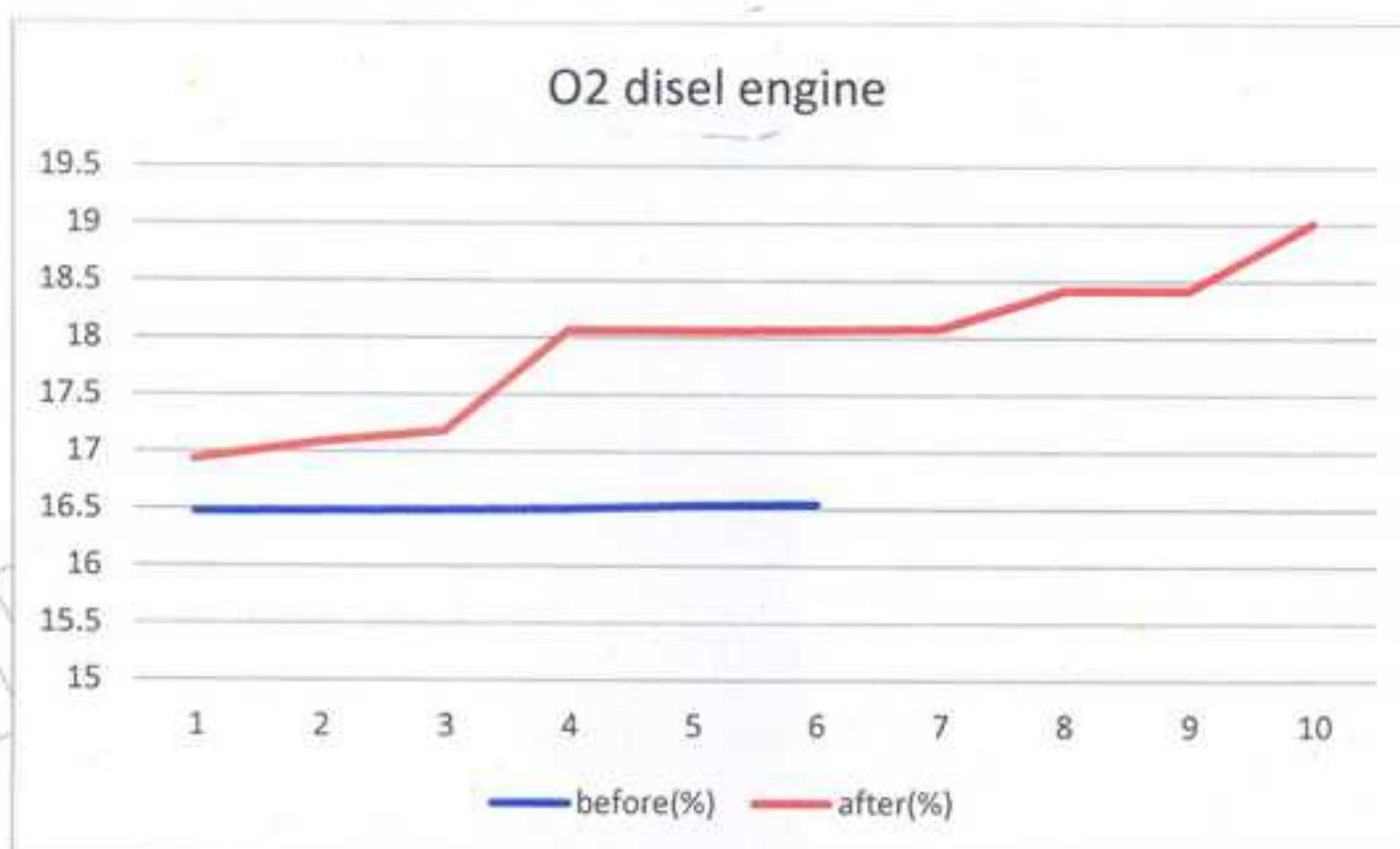
Table 4 Description of the tested vehicles

Items	Diesel Engine
Make	Toyota
Model	Hilux 4x4
Serial #	AHTBBBCD401738190
Engine type	Diesel
Idle speed	600
Year of manufacture	2018
Plate #	3 A60386 AA
Last service date (prior to testing)	11/04/2022



	የኢትዮጵያ የተስማሚነት ምዘና ድርጅት Ethiopian Conformity Assessment Enterprise	Document No. TLD/F7.08-1	
		Copy No: -	Rev No: 1
Title:	TEST REPORT የፍተሻ ሪፖርት	Page No: 4 of 7	Effective Date: 10 Oct21

Graphical presentation of the gaseous emissions testing results



11145

☎ 011 6 46-05-69, Fax. 011 6 45-97-20, E-mail info-cs@eca-e.com Web site: www.eca-e.com

BOLE SUBCITY, WOREDA 6
ADDISABABA, ETHIOPIA



የኢትዮጵያ የተስማሚነት ምዘና ድርጅት
Ethiopian Conformity Assessment Enterprise

Document No.
TLD/F7.08-1

Copy No:
-

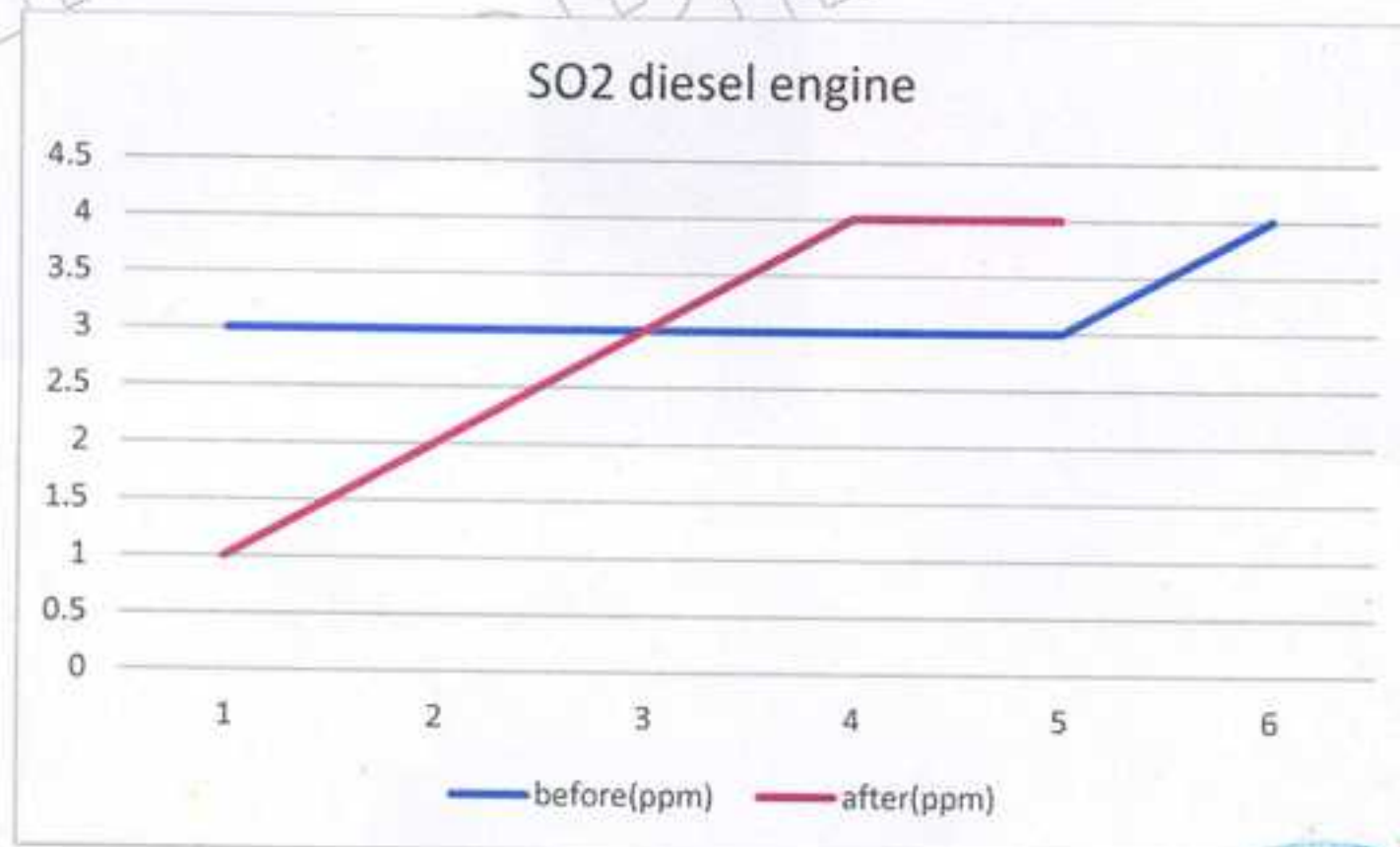
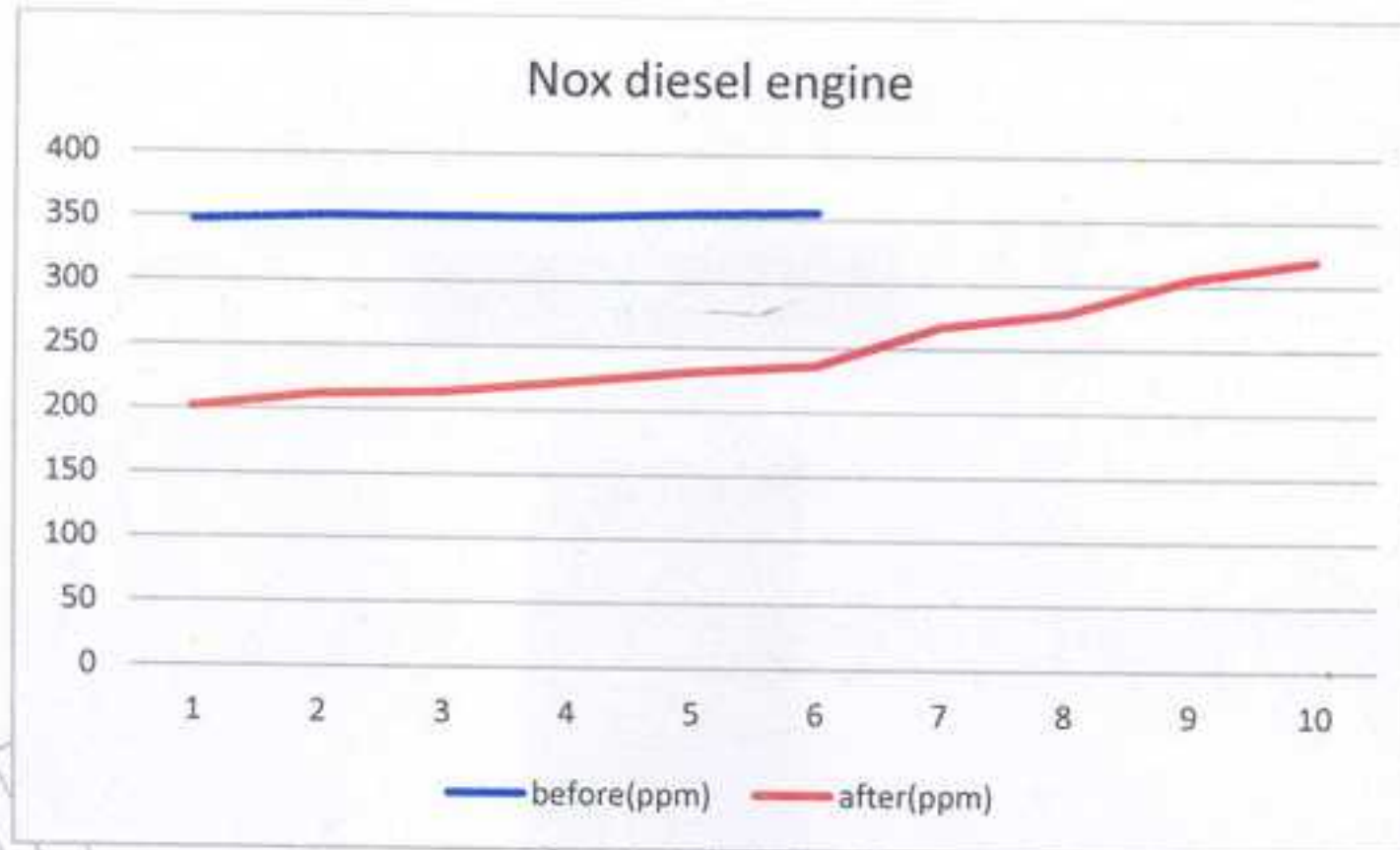
Rev No:
1

Title:

TEST REPORT
የፍተሻ ሪፖርት

Page No:
5 of 7

Effective Date:
10 Oct21



11145

☎ 011 6 46-05-69, Fax. 011 6 45-97-20, E-mail info-cs@eca-e.com Web site: www.eca-e.com
BOLE SUBCITY, WOREDA 6
ADDISABABA, ETHIOPIA



የኢትዮጵያ የተስማሚነት ምዘና ድርጅት
Ethiopian Conformity Assessment Enterprise

Document No.
TLD/F7.08-1

Copy No:

Rev No:

1

Title:

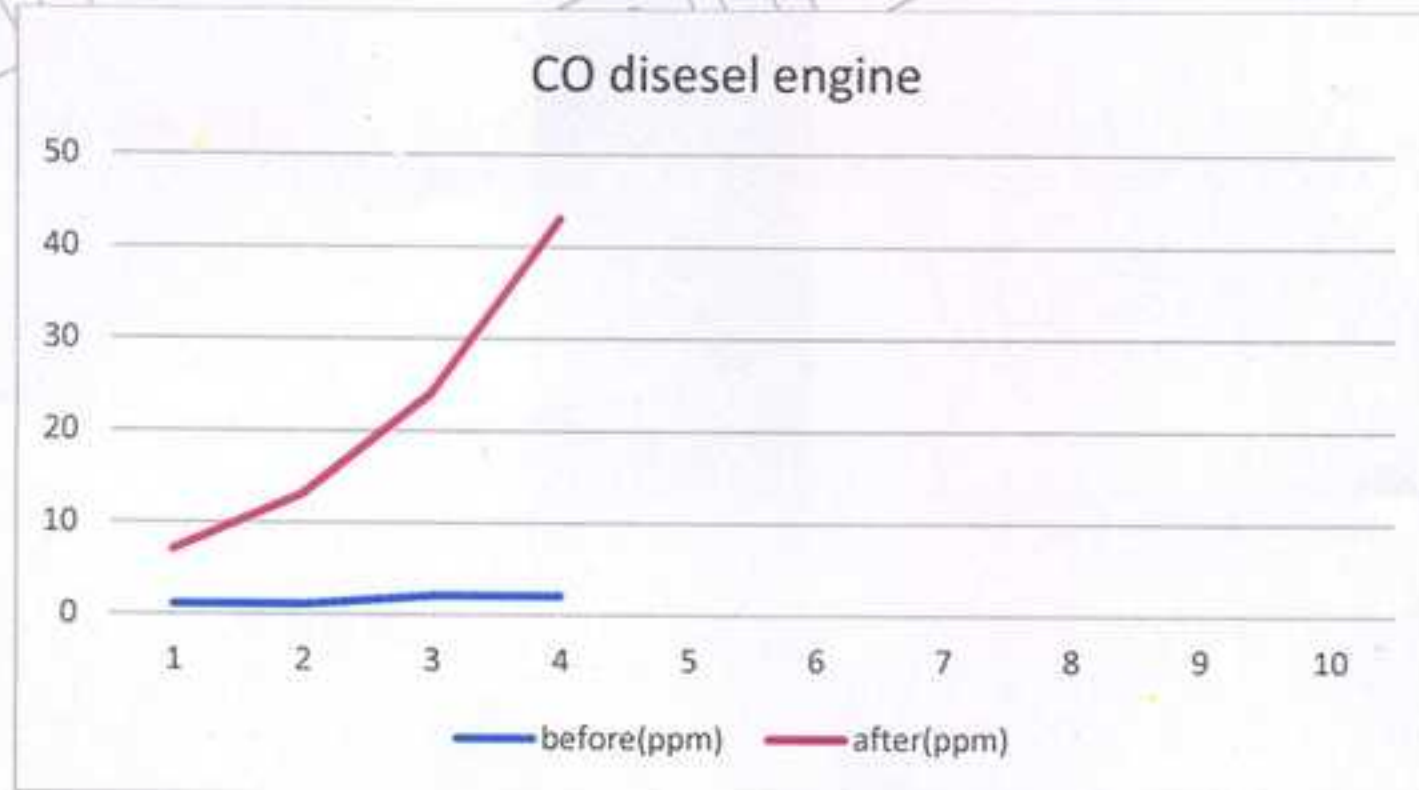
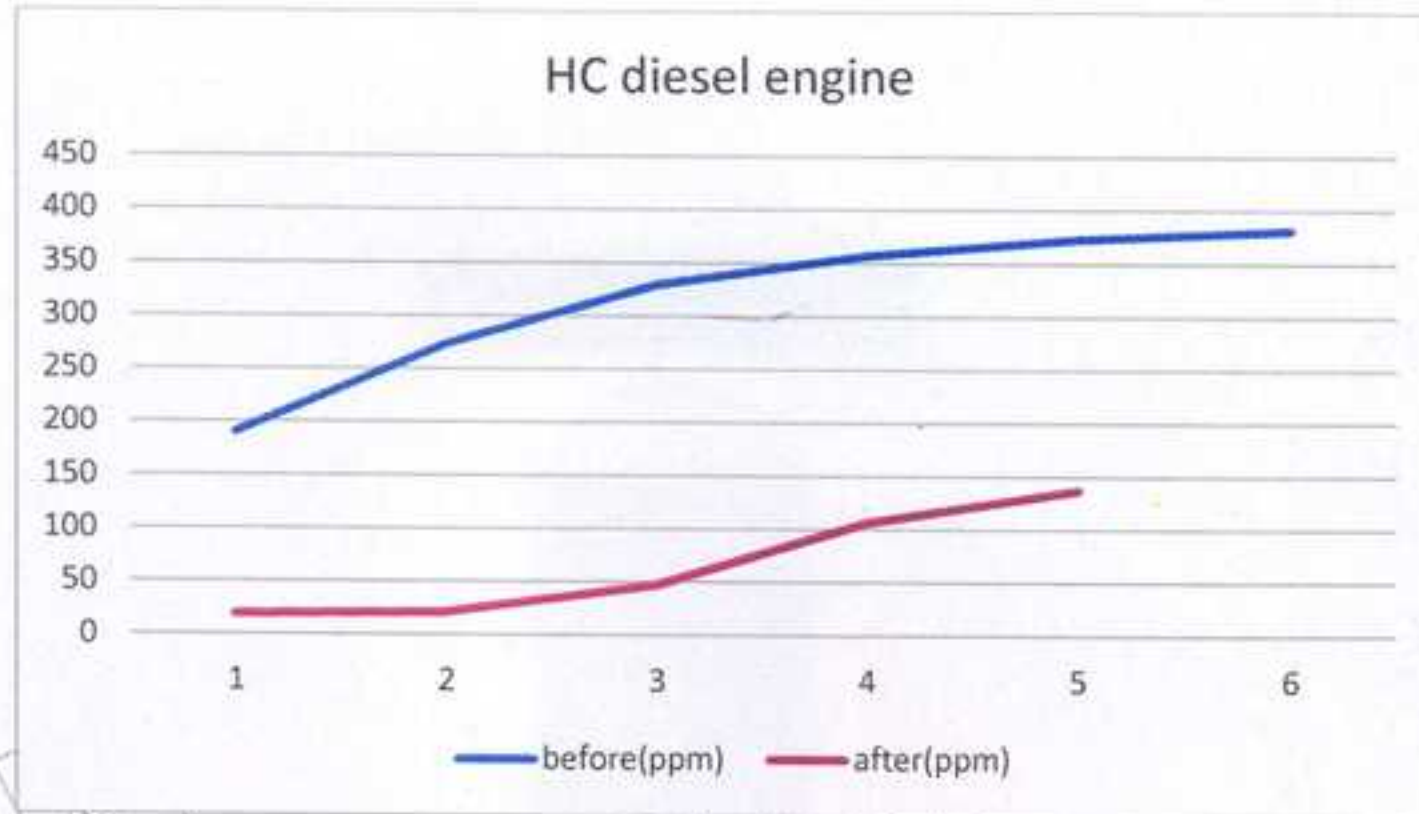
TEST REPORT
የፍተሻ ሪፖርት

Page No:

6 of 7

Effective Date:

10 Oct21



11145

☎ 011 6 46-05-69, Fax. 011 6 45-97-20, E-mail info-cs@eca-e.com Web site: www.eca-e.com

BOLE SUBCITY, WOREDA 6
ADDISABABA, ETHIOPIA

	የኢትዮጵያ የተስማሚነት ምዘናድርጅት Ethiopian Conformity Assessment Enterprise	Document No: TLD/F7.08-1	
		Copy No: -	Rev No: 1
Title: TEST REPORT የፍተሻ ሪፖርት		Page No: 7 of 7	Effective Date: 10 Oct21

Remark

- 1 This test report relates only to the specific sample product which has been tested by ECAE testing laboratory.
- 2 Only fuel saving capacity and emission reduction tests were performed.
- 3 For fuel saving test 98.2 km distance were driven with a speed of 100Km/h and the remaining 7.5 Km speed were under 100 Km/h.
- 4 The emission reduction test result is an outsourced.

Test report authorized by, Name Tefera Tadesse Position: Team Leader Sign. 

INVALID
COPIED



11145

☎ 011 6 46-05-69, Fax. 011 6 45-97-20, E-mail info-cs@eca-e.com Web site: www.eca-e.com

BOLE SUBCITY, WOREDA 6
ADDISABABA, ETHIOPIA