

FUEL-QUALITY TEST · VIETNAM · HO CHI MINH CITY · NOVEMBER 2020

RON 95 petrol before and after Greentech: no significant change across 25 laboratory tests

Vietnam Energy Inspection Corporation (EIC) analysed a sample of RON 95 petrol from a shore tank twice — before and after using a Greentech fuel enhancer — with 25 standard ASTM tests. Its conclusion, in the stamped report: the properties changed insignificantly between the two samples.

25 tests

fuel properties measured before and after, each by its ASTM method

95.1 → 95.1

research octane number (RON)

62.7 → 62.7

Reid vapour pressure, kPa
— the petrol's volatility

>480 min

oxidation stability at 100 °C, before and after

Selected results · before and after using Greentech

Property	Before	After	Unit
Research octane number (RON)	95.1	95.1	
Reid vapour pressure at 37.8 °C	62.7	62.7	kPa
Density at 15 °C	0.7409	0.7408	kg/L
Distillation 10% / 50% / 90%	53 / 97 / 164	54 / 99 / 164	°C
Final boiling point	192	192	°C
Sulphur	79	80	ppm
Aromatics / olefins	27.7 / 28.8	27.6 / 28.7	%vol
Benzene	1.21	1.21	%vol
Copper strip corrosion, 50 °C / 3 h	1a	1a	
Existent gum	< 0.5	< 0.5	mg/100 mL
Oxidation stability at 100 °C	> 480	> 480	min
Metals (Fe, Mn) / lead	< 1.0 / < 0.0025	< 1.0 / < 0.0025	mg/L · g/L

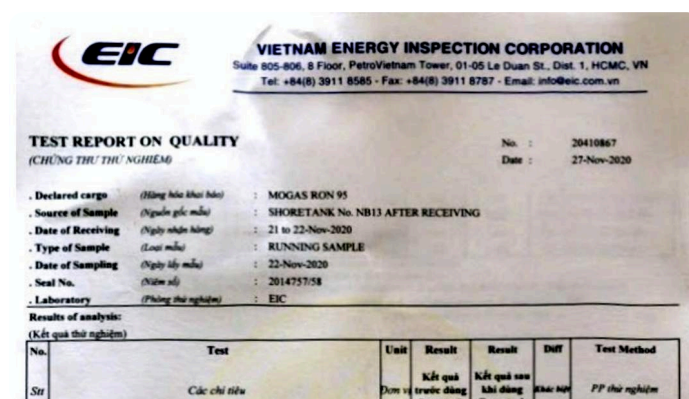
Values as printed in EIC report No. 20410867. The other tests (oxygenates, MTBE, ethers, ester) show the same picture.

What was tested

A running sample of RON 95 petrol taken on 22 November 2020 from shore tank NB13, analysed as received and after using a Greentech fuel enhancer, in EIC's laboratory from 23 to 27 November 2020.

What it means

Greentech does not change the fuel's specification: the petrol keeps its octane, composition and stability. Its volatility — what matters most for safe handling — stayed where it was: vapour pressure 62.7 kPa before and after, and the distillation curve within 2 °C.



EIC VIETNAM ENERGY INSPECTION CORPORATION
Suite 805-806, 8 Floor, PetroVietnam Tower, 01-05 Le Duan St., Dist. 1, HCMC, VN
Tel: +84(8) 3911 8585 · Fax: +84(8) 3911 8787 · Email: info@eic.com.vn

TEST REPORT ON QUALITY
(CHỨNG THƯ THỬ NGHIỆM)

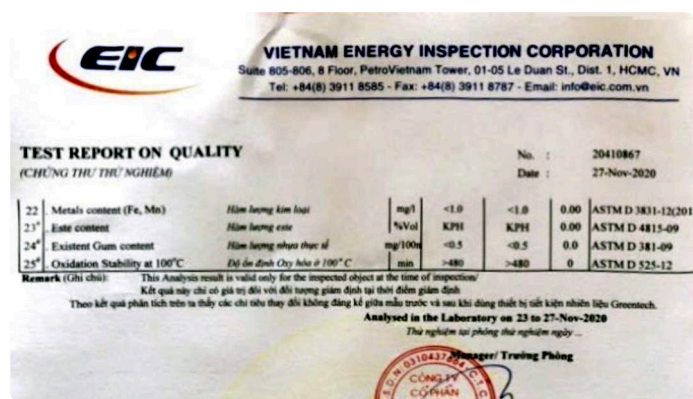
No. : 20410867
Date : 27-Nov-2020

Declared cargo (Hàng hóa khai báo) : MOGAS RON 95
Source of Sample (Nguồn gốc mẫu) : SHORETANK No. NB13 AFTER RECEIVING
Date of Receiving (Ngày nhận hàng) : 21 to 22-Nov-2020
Type of Sample (Loại mẫu) : RUNNING SAMPLE
Date of Sampling (Ngày lấy mẫu) : 22-Nov-2020
Seal No. (Nhãn số) : 2014757/58
Laboratory (Phòng thí nghiệm) : EIC

Results of analysis: (Kết quả thử nghiệm)

No.	Test	Unit	Result	Diff	Test Method
Str	Các chỉ tiêu	Đơn vị	Kết quả trước dùng Greentech	Kết quả sau khi dùng Greentech	PP thử nghiệm

Page 1 of the EIC report: sample details and the first results.



EIC VIETNAM ENERGY INSPECTION CORPORATION
Suite 805-806, 8 Floor, PetroVietnam Tower, 01-05 Le Duan St., Dist. 1, HCMC, VN
Tel: +84(8) 3911 8585 · Fax: +84(8) 3911 8787 · Email: info@eic.com.vn

TEST REPORT ON QUALITY
(CHỨNG THƯ THỬ NGHIỆM)

No. : 20410867
Date : 27-Nov-2020

22	Metals content (Fe, Mn)	Hàm lượng kim loại	mg/l	<1.0	<1.0	0.00	ASTM D 3811-12(2017)
23	Existent content	Hàm lượng este	%Vol	KPH	KPH	0.00	ASTM D 4815-09
24	Existent Gum content <th>Hàm lượng nhựa thực tế</th> <th>mg/100ml</th> <td><0.5</td> <td><0.5</td> <td>0.0</td> <td>ASTM D 381-09</td>	Hàm lượng nhựa thực tế	mg/100ml	<0.5	<0.5	0.0	ASTM D 381-09
25	Oxidation Stability at 100°C <th>Chỉ số ổn định oxy hóa ở 100°C</th> <th>min</th> <td>>480</td> <td>>480</td> <td>0</td> <td>ASTM D 525-12</td>	Chỉ số ổn định oxy hóa ở 100°C	min	>480	>480	0	ASTM D 525-12

Remark (Ghi chú): This Analysis result is valid only for the inspected object at the time of inspection.
Kết quả này chỉ có giá trị đối với đối tượng giám định tại thời điểm giám định.
Theo kết quả phân tích trên ta thấy các chỉ tiêu thay đổi không đáng kể giữa mẫu trước và sau khi dùng thiết bị cải thiện nhiên liệu Greentech.
Analysed in the Laboratory on 23 to 27-Nov-2020
Thử nghiệm tại phòng thí nghiệm ngày ...

Manager/ Trưởng Phòng

Page 2: the laboratory's remark, signature and seal.

Tell Greentech Green Environment JSC what you drive and the size of the tank, and get the right model, the price and the fitting.

Greentech Green Environment JSC · Exclusive Greentech Distributor, Vietnam · Ho Chi Minh City
+84 911 738 837 · info@greentech.vip · greentech.vip · greentech.tw/distributor/greentech-vietnam

Source: Vietnam Energy Inspection Corporation (EIC), Test Report on Quality No. 20410867, 27 November 2020, 2 pages, signed by the laboratory manager and stamped. Sample: MOGAS RON 95, shore tank NB13, sampled 22 November 2020, seal No. 2014757/58; analysed 23–27 November 2020. The report states that its results apply only to the sample tested. Greentech is developed in Taiwan by Moletech International Technology Ltd. and protected in Vietnam by invention patent No. 55934.



Scan for Greentech
Vietnam's page