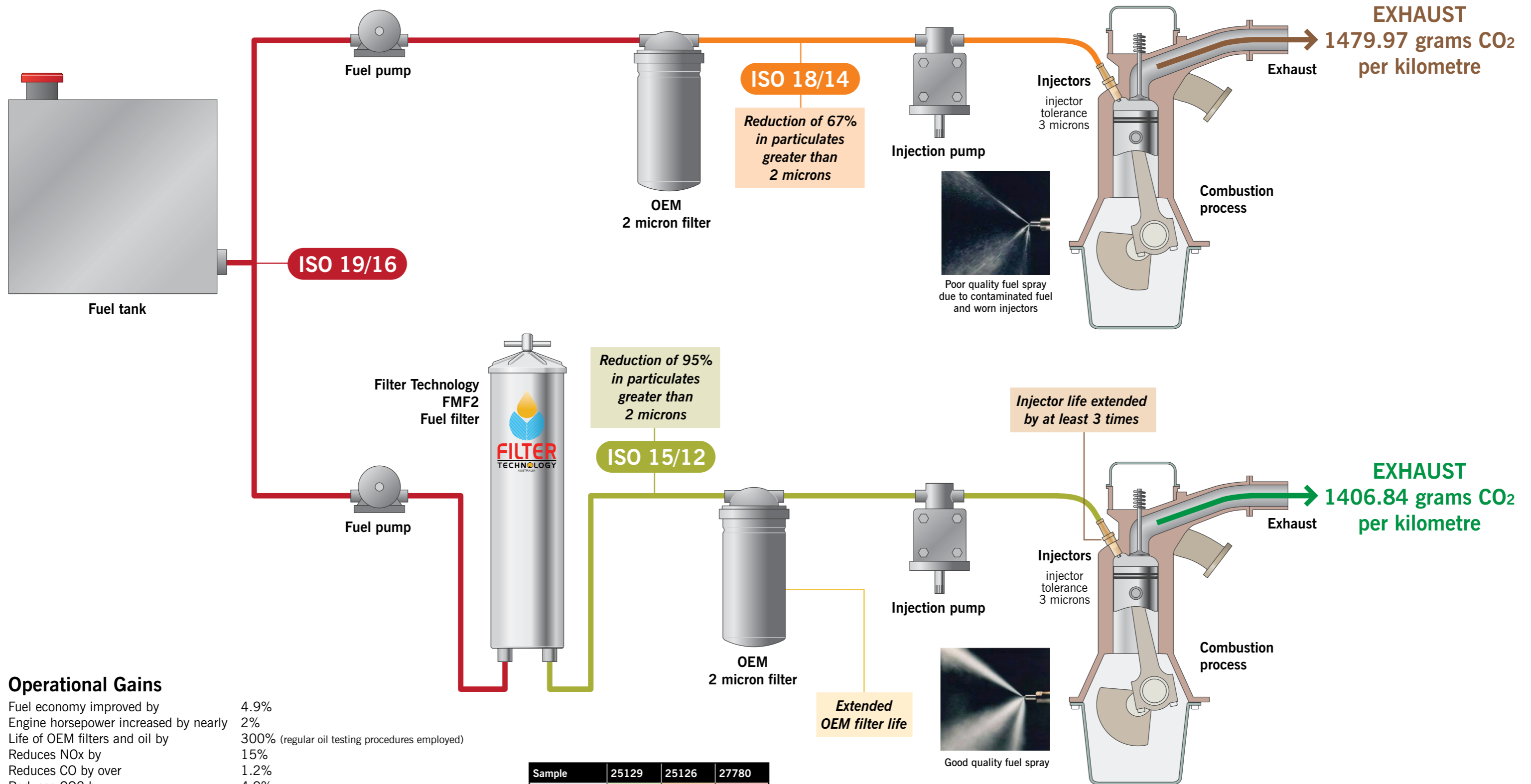


Example of Emission Testing using Filter Technology Fuel Filter

Tests conducted by Parsons Australia Pty Ltd, New South Wales



Operational Gains

- Fuel economy improved by 4.9%
- Engine horsepower increased by nearly 2%
- Life of OEM filters and oil by 300% (regular oil testing procedures employed)
- Reduces NOx by 15%
- Reduces CO by over 1.2%
- Reduces CO2 by 4.9%
- Reduces solid particle emissions by 25.7%

Extends the life of fuel pumps and injectors by maintaining cleanliness.
Improves risk management and extends engine longevity.

Reduced Pollution

- For every 13.25 km, polluting emissions are reduced by 1 kg.
- For every 13,250 km, polluting emissions are reduced by 1 tonne.
- For every 132,500 km, polluting emissions are reduced by 10 tonnes.

Sample	25129	25126	27780
Date	09/02/01	08/02/01	07/02/01
ISO 4406	15/12	18/14	19/16
Gravi-Metric			
> 2 micron	544	3966	12102
> 5 micron	201	1486	4473
>15 micron	21	156	477
Contamination	Low	Moderate	Elevated

Case Study Confirms Benefits

Background

Filter Technology Australia commissioned Parsons Australia Pty Ltd of Lidcombe NSW to conduct a comparative study of data from a diesel vehicle, with and without FTA fuel and oil filtration systems.

The test protocol was conducted to Australian National Environment Protection Council standards.



Test Procedures

The vehicle, refuelled with controlled fuel and tested during simulated congested, arterial and freeway/highway conditions, both with and without FTA fuel and oil filtration units fitted.

Case Study Results

	NOx	CO	CO ₂	Particulate Matter g/km	Total g/km	Fuel Consumption L/100 km
Without FTA	15.03	4.20	1479.97	0.52	1500.07	55.36
With FTA	12.78	4.15	1406.84	0.38	1424.63	52.65
Change	-2.25	-0.5	-73.13	-0.14	-75.44	-2.71

Tests also showed reductions in:

Soot – 17%

Copper – 18%

Iron – 16%