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## **Total**

August 2016

**Independent assurance report on the award of the “Total Ecosolutions” label to the “Quartz/Activa Ineo ECS 5W-30 Fuel Economy engine oils for light cars” products**



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### **Independent assurance report on the award of the “Total Ecosolutions” label to the “Quartz/Activa Ineo ECS 5W-30 Fuel Economy engine oils for light cars” products**

Further to your request, we have performed a review in order to obtain reasonable assurance that the “Quartz/Activa Ineo ECS 5W-30 Fuel Economy engine oils for light cars ” products, a description of which can be found on the web site [www.total.com](http://www.total.com)<sup>1</sup> and in the external datasheet dated June 29, 2016, have obtained the “Total Ecosolutions” label in accordance with the version 4 of the “Total Ecosolutions Guidelines” dated March 28, 2013 (hereafter referred to as the “Guidelines”); the Guidelines, which can be downloaded from the web site [www.total.com](http://www.total.com)<sup>1</sup>, have been established on the basis of the ISO 14020 and ISO 14021 standards and were the subject of a preliminary external review which gave rise to the issue of an independent report on their design, this report also being accessible on [www.total.com](http://www.total.com)<sup>1</sup>.

We conducted our review in accordance with international standard ISAE 3000 (International Standard on Assurance Engagements) defined by IFAC (International Federation of Accountants). It is the responsibility of Total to regularly update the Guidelines, to ensure that they are made available to internal users and third parties, and to apply the Guidelines. It is our responsibility to express, on the basis of our review, a conclusion on the award of the “Total Ecosolutions” label to the “Quartz/Activa Ineo ECS 5W-30 Fuel Economy engine oils for light cars” product.

#### **Nature and scope of our review**

To express our conclusion, we performed the following review:

- We have assessed the reliability, accuracy, understandability, neutrality, completeness and relevance of the Guidelines and the constituents of the “Total Ecosolutions” label request file for products and services.
- We have conducted interviews with the persons in charge of preparing the label request file, and analyzed the documentation available (aiming at justifying the methods of evaluation of the product's overall environmental impact and of the comparative performance evaluation with the reference product). We have also reviewed the meeting minutes and documents used during the validation process by the “Total Ecosolutions” Labelling Committee and the Total Ecosolutions Management Committee, in order to identify any risks of deviation in relation to the label award process defined in the Guidelines. However, the scope of our work did not include the verification of data used as sources for the calculation.

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<sup>1</sup> Exact address: <http://www.total.com/total-ecosolutions>



To conduct the aforementioned procedures, we called on members of our teams specialized in environment and sustainable development.

### **Information or explanations**

- The Guidelines aim to define the rules for the award of the “Total Ecosolutions” label, the organisation and responsibilities, the methods for assessing the level of environmental performance and verifying the compliance with the Guidelines, the internal and external communication procedures as well as the rules for document management, in accordance with the requirements of the ISO 14020 and ISO 14021 standards.
- "Quartz/Activa Ineo ECS 5W-30 Fuel Economy engine oils for light cars" products are lubricants for cars' engine. These products, due to their optimized-viscosimetric profiles and friction reducing additives, are characterized by their ability to reduce the friction of a heat engine. These lubricants meet "Fuel Economy" criteria as defined by the ACEA (Association of European Automobile Manufacturers) in the standard “Service fill oils for gasoline engines, light-duty diesel engines, engines with after treatment devices and heavy-duty diesel engines" dated 2012.
- The environmental performance of the “Quartz/Activa Ineo ECS 5W-30 Fuel Economy engine oils for light cars” products is evaluated by comparison, based on an equivalent outcome for the customer, with a reference product, the TOTAL QUARTZ 7000 10W-40 lubricant which is representative of the market.
- The functional unit considered is "lubrication of the engine of an average motor sized car for a 1 000 km average trip with a defined lubricant".
- Comparative assessment of the global environmental impact of the products "Quartz/Activa Ineo ECS 5W-30 Fuel Economy engine oils for light cars" is based on the official engine test "Fuel Economy» for light vehicles: CEC -L- 54-T -96 (known as M111FE and used by ACEA) to evaluate the fuel consumption reduction induced by the products. This assessment is based on the emission factors of Base Carbone 2015 of ADEME to estimate the reduction of GHG emissions.
- The benefit considered significant and validated by the “Total Ecosolutions” Management Committee is a fuel consumption reduction of 1.5% obtained through the use of labelled products.



## Conclusion

In our opinion, the “Quartz/Activa Ineo ECS 5W-30 Fuel Economy engine oils for light cars” products have been awarded the “Total Ecosolutions” label, in all their significant aspects, in accordance with the Guidelines.

Paris-La Défense, August 24, 2016

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Sustainability Services

A handwritten signature in blue ink, consisting of stylized initials 'CS' followed by a horizontal line extending to the right.

Christophe Schmeitzky