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**Total**  
May 2017

**Independent assurance report on the award of the "Total Ecosolutions" label to the "Total Quartz Ineo First 0W-30" product**

ERNST & YOUNG et Associés



## Total

May 2017

### Independent assurance report on the award of the “Total Ecosolutions” label to the “Total Quartz Ineo First OW-30” product

Further to your request, we have performed a review in order to obtain reasonable assurance that the “Total Quartz Ineo First OW-30” product, 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 April 27, 2017, has obtained the “Total Ecosolutions” label in accordance with the version 5 of the “Total Ecosolutions Guidelines” dated June 22<sup>nd</sup>, 2016 (hereafter referred to as the “Guidelines”); the Guidelines, an abridged version of 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 “Total Quartz Ineo First OW-30” 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.

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<sup>1</sup> Exact address: [www.ecosolutions.total.com](http://www.ecosolutions.total.com)

- 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 Committees 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.

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 organization 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.
- "Total Quartz Ineo First 0W-30" product is a lubricant for cars' engine. This product, due to its optimized-viscosimetric profil and friction reducing additives, is characterized by its ability to reduce the friction of a heat engine. This lubricant meets "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 and health performance of the "Total Quartz Ineo First 0W-30" product 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.
- Comparative assessment of the global environmental impact of the products " Total Quartz Ineo First 0W-30" 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 ADEME's Base Carbone© 2015 to estimate the reduction of GHG emissions.
- The functional unit considered is "lubrication of the engine of an average motor sized car for a 1.000 km average trip with the specific lubricant". The terms "average" correspond to the definitions associated with ADEME's Base Carbone© for the calculation of greenhouse gases emissions and fuel consumption.
- The environmental benefit considered significant and validated by the "Total Ecosolutions" management Committee is a fuel consumption reduction and a greenhouse gases emission reduction of 2.2 % obtained through the use of the labelled product.



## Conclusion

In our opinion, the “Total Quartz Ineo First OW-30” product has been awarded the “Total Ecosolutions” label, in all its significant aspects, in accordance with the Guidelines.

Paris-La Défense, May 11, 2017

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