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Total

November 2016

Independent assurance report on the award of the "Total Ecosolutions" label to the "Fuel Economy engine oils 15W-30 for agricultural vehicles" products

ERNST & YOUNG et Associés



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Further to your request, we have performed a review in order to obtain reasonable assurance that the "Fuel Economy engine oils 15W-30 for agricultural vehicles" product, a description of which can be found on the web site www.total.com¹ and in the external datasheet dated November 24, 2016, has obtained the "Total Ecosolutions" label in accordance with the version 5 of the "Total Ecosolutions Guidelines" dated June 22, 2016 (hereafter referred to as the "Guidelines"); the Guidelines, which can be downloaded from the web site www.total.com¹, 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.com¹.

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 "Fuel Economy engine oils 15W-30 for agricultural vehicles" 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.

¹ 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 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.
- “Fuel Economy engine oils 15W-30 for agricultural vehicles” products are engine oils for agricultural vehicles. Due to their optimised viscosity, these products have the capacity to reduce frictions within a heat engine.
- Both environmental performance and resources consumption reduction assessments for “Fuel Economy engine oils 15W-30 for agricultural vehicles” products have been performed through a quantitative and qualitative comparison for an equivalent service provided, with the reference product considered representative of the market, a 15W-40 oil lubricant.
- Since there is no normalized and recognized test for this sector, this assessment is based on the “Mercedes OM501FE” test, initially designed for heavy duty vehicles. This test has been selected considering the comparability between agricultural vehicles and heavy trucks’ motors and in order to be consistent with the tests performed on engine oils for heavy duty vehicles and for cars.
- The functional unit considered is “lubrication of the engine to ensure the functioning of an average motor sized agricultural machine with a defined lubricant during 450 hours”. The key performance indicator is the fuel quantity consumed.
- Comparative assessment of the global environmental impact from “Fuel Economy engine oils for 15W-30 agricultural vehicles” products has been realized through a Life Cycle Analysis performed by the CIRAIG. This analysis takes into account various environmental aspects among which the consumption of non-renewable resources, CO₂ emissions and human health and does not highlight any significant transfer of impact.
- The benefit considered significant and validated by the “Total Ecosolutions” Management Committee, considering the specificity of the market, is a reduction of 1,2% of fuel consumption due to the use of the labelled products.



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Conclusion

In our opinion, the “Fuel Economy engine oils 15W-30 for agricultural vehicles” product has been awarded the “Total Ecosolutions” label, in all its significant aspects, in accordance with the Guidelines.

Paris-La Défense, November 30, 2016

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