

Verification Opinion



20 July 2023
Opinion No : SGS23/018

Masataka Yamaishi
President, Chairman of the Board
The Yokohama Rubber Co., Ltd.
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Objective

SGS Japan Inc. (hereinafter referred to as "SGS") was commissioned by The Yokohama Rubber Co., Ltd. (hereinafter referred to as "the Organization") to conduct independent verification based on Criteria of Verification (ISO14064-3: 2019 and the SGS verification protocol) regarding the data prepared by the Organization on the scope of verification (hereinafter referred to as "the Statement"). The objective of this verification is to confirm that the Statement in the Organization's applicable scope has been correctly calculated and reported in the Statement in conformance with the criteria, and to express our views as a third party. The Organization is responsible for the preparation and fair presentation of the Statement.

Scope

The scope of verification is Scope 1 and 2 emissions, energy consumption, Scope 3 emissions, Water consumption and discharge and amount of waste disposal.

The period subject to report is from 1 January 2022 to 31 December 2022.

Refer to the attached sheet for the detailed scope of verification.

Procedure of Verification

The Statement was verified in accordance with Criteria of Verification, and the following processes were implemented at a limited level of assurance:

- Verification of the calculation system: Interviews on the measurement, tabulation, calculation, and reporting methods employed by the Organization as well as review of related documents and records
- Verification of the Statement: On-site verification and voucher review conducted at Aichi Tire Industry Co., Ltd. head office plant /Komaki Factory and Kasugai Factory, and Mishima Factory, and analytical procedures and interviews for the other sites in the scope of verification carried out at the head office

The criteria for this review are based on the Act on the Rational Use of Energy, GHG Emissions Calculation and Reporting Manual Ver. 4.8, Basic Guidelines on Accounting for Greenhouse Gas Emissions throughout the Supply Chain Ver. 2.4 and Emission Factor Database on the same Accounting Ver. 3.2, LOCO2 Calculation Guidelines for Tires Ver. 3.0.1 and Protocol specified by the Organization.

Conclusion

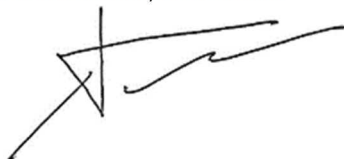
Within the scope of the verification activities employing the methodologies mentioned above, nothing has come to our attention that caused us to believe that the Organization's Statement was not calculated and reported in conformance with the criteria.

SGS Japan Inc. affirms our independence from the Organization, being free from bias and conflicts of interest with the Organization.

For and on behalf of SGS Japan Inc.

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134, Godo-cho, Hodogaya-ku, Yokohama
Knowledge
Management Committee Member
Head of Certification/Accreditation

Yuji Takeuchi



1 / 2

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Attached file

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The details of the scope of verification

The scope		The boundary	The statement
1	Scope 1 and 2 (energy related CO ₂ emissions) and energy consumption, excluding the vehicles which run outside of the sites	112sites (87 domestic and 25 overseas sites)	Scope 1: 568,792 t-CO ₂ Scope 2: Location-based: 510,630 t-CO ₂ Market-based: 482,695 t-CO ₂
2	Scope3 (category 1)	The Organization and consolidated companies	Cat. 1: 4,022.1 k t-CO ₂
3	Scope3 (category 2)	The Organization and consolidated companies	Cat. 2: 175.3 k t-CO ₂
4	Scope3 (category 3)	The Organization and consolidated companies	Cat. 3: 129.1 k t-CO ₂
5	Scope3 (category 4)	The Organization and consolidated companies within the boundary specified by the Organization*	Cat. 4: 125.3 k t-CO ₂
*The following are not included in the scope of calculation			
<ul style="list-style-type: none"> ◆ Logistics for procurement from overseas suppliers ◆ Logistics for ATC Tires Private Ltd., ATC Tires AP Private Ltd. and Alliance Tire Company Ltd. ◆ Logistics for parts and sub-materials other than raw materials for rubber parts 			
6	Scope3 (category 5)	The Organization and consolidated companies	Cat. 5: 27.4 k t-CO ₂
7	Scope3 (category 6)	The Organization and consolidated companies	Cat. 6: 4.8 k t-CO ₂
8	Scope3 (category 7)	The Organization and consolidated companies	Cat. 7: 19.1 k t-CO ₂
9	Scope3 (category 9)	The Organization and consolidated companies within the boundary specified by the Organization*	Cat. 9: 59.1 k t-CO ₂
*The following are not included in the scope of calculation			
<ul style="list-style-type: none"> ◆ Logistics for ATC Tires Private Ltd., ATC Tires AP Private Ltd. and Alliance Tire Company Ltd. 			
10	Scope3 (category 10)	Tire products manufactured by the Organization and group companies	Cat. 10: 13.7 k t-CO ₂
11	Scope3 (category 11)	Tire products manufactured by the Organization and group companies	Cat. 11: 21,087.4 k t-CO ₂
12	Scope3 (category 12)	Tires and MB products manufactured by the Organization and group companies	Cat. 12: 905.7 k t-CO ₂
13	Scope3 (category 15)	Specified investment stock of the Organization	Cat. 15: 92.1 k t-CO ₂
14	Water consumption and discharge	43 sites (18 domestic and 25 overseas sites)	Water consumption: 8,247 thousand m ³ Water discharge: 6,300 thousand m ³
15	Amount of waste disposal	41 sites (16 domestic and 25 overseas sites)	Waste disposal: 48,865 t