

Report on the investigation into fraudulent inspection of fuel consumption and exhaust emissions

Company: Yamaha Motor Co., Ltd

1. Presence or absence of fraudulent inspections of fuel consumption and exhaust emissions	
Presence or absence of a case	A review of exhaust emissions revealed that there were cases where Yamaha Motor failed to exclude test results where a “trace error” was indicated—instances where designated speed and/or time limits applied to test environments were exceeded—and processed these as valid results.
2. Investigated factory, investigation period, investigation method	
Investigated factory	Yamaha Motor IWATA Factory
Inspection period	Please refer to “inspection method” below.
Inspection method	<p>We interviewed all inspectors involved to confirm the existence of inappropriate actions such as omissions in inspection routines or the manipulation of data.</p> <p>Regarding the log data from the measurement period of January 2016 to July 2018, we checked that the measurement of exhaust emissions met the conditions specified in the technical standards. We also checked the equipment check sheets, etc., used in inspections to ascertain whether there were any deviations from the technical standards.</p> <p>We checked the inspection reports for the five year period of July 2013 – July 2018 for any evidence of manipulation. In addition, for the inspection reports which is created by manually inputting printed data, we compared the printed data with the inspection reports.</p>
3. Inspection results, details in the event of fraud, etc.	
Results and details of fraud	<p>As a result of the investigation, it was determined that no employees were aware of any inspection deviations, or that data was manipulated.</p> <p>After verifying the exhaust emission results, it was found that there were seven cases where Yamaha Motor failed to exclude test results where a “trace error” was indicated, and processed these as valid results.</p> <p>Yamaha Motor has since excluded the seven results in question and conducted a full re-inspection of the affected vehicles, which confirmed that all results met the relevant security standards.</p> <p>There was no manipulation of the inspection reports, and no discrepancy between the data printed from the measuring machine and the inspection reports.</p>
4. Implementation status of fraud prevention measures	
Implementation status	<p>After checking the exhaust emissions, the site leader and foreman reconfirmed that they did not exceed the designated speed and/or time limits, and that the results were valid.</p> <p>We are consulting with equipment makers about whether or not it’s possible for the machines to automatically stop measuring when a trace error occurs. We are also</p>

	<p>looking into the possibility of the system handling the data rather than humans, and whether or not there is a system that does not allow data to be changed.</p> <p>We are re-training and improving the skills of our inspectors.</p>
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