1. **Package Content & Revision History**

**2013 Nissan Jatco CVT8 Transmission Mapping**

The following is a listing of the contents of this Test Data Package along with the suggested citation format and revision history of the material. Use of any NCAT documents listed below, included as part of the complete test data package, should reference the suggested citation provided. Note that SAE papers included in the package should utilize the designated SAE CITATION format.

**SUGGESTED CITATION:**

*2013 Nissan Jatco CVT8 Transmission Mapping – Test Data Package*. Version 2019-07. Ann Arbor, MI: US EPA, National Vehicle and Fuel Emissions Laboratory, National Center for Advanced Technology, 2019.

**TEST PACKAGE CONTENTS:**

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| 1- Package Content Overview & Revision History.docx | Brief overview document listing the contents, revision history & suggested citation format of the package |
| 2- Related NCAT Packages.docx | Listing of related Test Data and ALPHA Engine Map Packages |
| 3a- 2013 Nissan Jatco CVT8 Transmission – Test Report.docx | NCAT report outlining the test method & benchmarking results for mapping the transmission used to support this testing |
| 3b- 2013 Nissan Jatco CVT8 Benchmarking Presentation by FEV.pdf | Final presentation prepared by FEV Engine Technology under EPA Contract EP-C-12-014 WA 4-11, describing test procedures performed on the Jatco CVT8 transmission |
| 4a- 2013 Nissan Jatco CVT8 Transmission – Loaded Efficiency Results (FEV) – Test Data Set.xlsx | Transmission data file containing both test stand and calculated transmission efficiency results as a function of input speed and load at 40°C, 60°C, and 85°C temperature |
| 4b- 2013 Nissan Jatco CVT8 Transmission – Neutral Coasting Results (FEV) - Test Data Set.xlsx | Transmission test stand data file reporting turning torque and CVT ratios during neutral coast down with the torque converter clutch open |
| 4c- 2013 Nissan Jatco CVT8 Transmission – Oil Pump Results (FEV) - Test Data Set.xlsx | Test stand data file reporting transmission oil pump efficiency and leakage as a function of temperature, pressure, and speed when tested at 40°C, 60°C, and 85°C |
| 4d- 2013 Nissan Jatco CVT8 Transmission – Spin Loss Results (FEV) - Test Data Set.xlsx | Transmission test stand data file reporting turning torque and transmission system pressures required to spin the transmission as a function of gear ratios for multiple speeds and temperatures (40°C, 60°C, and 85°C) |

**REVISION HISTORY:**

Version 2019-07: Initial release