Test order

**R02074**

**For reliability testing**

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| Project Name:  **CCN S2 Asia\_VOL\_SPA2\_22\_TCM\_TRM** | | | | | End Customer (OEM):  **VOLVO CAR CORPORATION** | | | DG number:  **064139** |
| Contact details:   |  |  |  |  | | --- | --- | --- | --- | | Role / Function | Name | Department | Phone | | QMP | Arsene Catalina | VNI CCN |  | | SyTEE | Srdjan Struharik | VNI CE SYS EU2 NVS GD2 | +381 21 2157233 |   Note: Contact details for requester and perform controller are recommended to be added. | | | | | | | | |
| **Type of request:** | Pre-compliance | | | with report | | | | |
| DV | | | Gate 55-60 | | | | |
| PV | | | - Before Gate 80 | | | | |
| - After Gate 80 | | | With PPAP change  Without PPAP change | |
| External request | | | | | | | |
| **Reason/details:** Casual | | | | | | | |
| Sample manage process:  TISAX  WFS  N/A | | | | | | | | |
| Total sample amount: S1- S14 (2 sample parts as back-up)  HW version: D1 SW version: SPA1 | | | | | | | | |
| Sample production location: CCN – Chang Chung | | | | | | | | |
| Additional sample remarks:N/A | | | | | | | | |
| Payment method: | | DS / DSIN number with extension | | | | Click or tap here to enter text. | | |
| CC / IO | | | | Click or tap here to enter text. | | |
| PO | | | | Click or tap here to enter text. | | |
| Requested Time Frame Start: week 14 2022  Requested Time Frame End: week 30 2022 | | | | | | | | |
| Test Plan (Qualification Program / Test Specification): **QP\_ENV\_VOL\_SPA2\_22\_TCM\_TRM\_V1.6.1.pdf**  Test Plan version: **V1.6.1**  Test Plan version date: **14 June 2021**  Test Flow / Test matrix: VOL\_SPA2\_22\_TCM\_TRM\_Environmental Test flow for PV\_V.03 (23 April 2021).pdf | | | | | | | | |
| Test parameters if no Test Plan (Qualification Program / Test Specification) available: | | | | | | | | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Test name according Test Plan | Chapter no. from Test Plan | Sample amount: | Sample identification number / Serial number: | Deviation from Test Plan: | Test no.: | | High temperature storage | 3 | 6 | ENV01-ENV06 |  | R02074 –{SBZ}-01 | | Temperature cycling with specified temperature change rate | 4 | 6 | ENV01-ENV06 |  | R02074 –{SBZ}-02 | | Rapid change of temperature with specified transition duration | 5 | 6 | ENV01-ENV06 |  | R02074 –{SBZ}-03 | | Random and sinusoidal vibrations and temperature cycling | 6 | 6 | ENV01-ENV05 | in operated mode, ENV01-05, ENV06 non operated | R02074 –{SBZ}-04 | | Composite temperature/ humidity cycle test | 7 | 6 | ENV01-ENV05 | in operated mode, ENV01-05, ENV06 non operated | R02074 –{SBZ}-05 | | Damp heat, steady state | 8 | 6 | ENV01-ENV05 | in operated mode, ENV01-05, ENV06 non operated | R02074 –{SBZ}-06 | | Low temperature storage | 9 | 6 | ENV01-ENV06 |  | R02074 –{SBZ}-07 | | Low temperature operation | 10 | 6 | ENV07-ENV12 |  | R02074 –{SBZ}-08 | | High temperature operation | 11 | 6 | ENV07-ENV12 |  | R02074 –{SBZ}-09 | | Temperature steps test | 12 | 6 | ENV07-ENV12 |  | R02074 –{SBZ}-10 | | Mechanical shock test | 13 | 6 | ENV07-ENV11 | in operated mode, ENV07-11, ENV12 non operated | R02074 –{SBZ}-11 | | Drop test | 14 | 6 | ENV07-ENV12 |  | R02074 –{SBZ}-12 | | Connector pins push/pull | 15 | 6 | ENV07-ENV12 |  | R02074 –{SBZ}-13 | | Chemical loads | 16 | 8 | ENV07-ENV14 |  | R02074 –{SBZ}-14 | | IP -Protection Against Foreign Objects | 17 | 8 | ENV07-ENV14 |  | R02074 –{SBZ}-15 | | IP -Water intrusion | 18 | 8 | ENV07-ENV14 |  | R02074 –{SBZ}-16 |   Deviation details: For Rapid change of temperature with specified transition duration test please use 75 min for each temperature (T min, T max) . Test duration will be 75min\*200 cycles \*2 = 30000min ; 30.000min /60 min =500 h; 500h/24h =20.83days;  Which mins that the test will be modified from ~11 days to ~21 days | | | | | | | | |
| **Monitoring system / LTT / Load box** | | | | | | | | |
| Request to be created by QL | | | [**TSD Service Request**](https://jira-it.zone2.agileci.conti.de/servicedesk/customer/portal/73/user/login?nokerberos&destination=portal%2F73%2Fgroup%2F226%3FgroupId%3D226) | | | | | |
| Owned by QL | | |  | | | | | |
| Provided by requester | | | **Number of monitoring systems allocated for this request:** 1  **Test places per system:** 6 | | | | | |

|  |  |
| --- | --- |
| **Fixtures** | |
| Request to be created by QL | [**TSD Service Request**](https://jira-it.zone2.agileci.conti.de/servicedesk/customer/portal/73/user/login?nokerberos&destination=portal%2F73%2Fgroup%2F226%3FgroupId%3D226) |
| Owned by QL |  |
| Provided by requester | Number of vibration fixtures: 3  Number of DUT per vibration fixture: 6  Adaptor plates: Not applicable  Number of climatic fixtures: Not applicable  Number of DUT per climatic fixtures: Not applicable  Special fixtures (if applicable): Not applicable |

**Document history**

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| **Version** | **Date** | **Requester** | **Update Description** |
| **1** | 10.05.2022 | Arsene I. | Updates:  Rapid change of temperature with specified transition duration changed from 11 days to 21 days  Start date and end date updated from week 13 to 14 and from end week 26 to 29. |
| **2** | 17.06.2022 | Arsene I. | Updates:  As 1 channel is not waorking will be used on the operating mode 5 samples, instead of 6. |
| **3** | Click here to enter a date. |  | Updates: |
| **4** | Click here to enter a date. |  | Updates: |