

NOx Sensor Report – Contamination at Contact Portion (Talc)

PRAS 119531; Ticket 15G09661AA

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Sensor Information and Analysis Results

Customer PN: 68197109AA Conti PN: 5WK96799 SN: 15032504496799 01 NOx Sensor Version: Gen2.5 CQTS: 300001137901-20

Customer Tracking Number: PRAS 119531; Ticket 15G09661AA

VIN: FG686715 Platform: DJ

Time/Miles Reported: 1mo/19m

Symptom Reported by Customer:

FC P22A7

Continental Warranty Return Center Analysis:

Visual: no anomalies detected.

Functional: Passed bubble test. Part initially passed test at Continental Warranty Return Center (WRC)

Part was placed onto a vehicle at FCA for further NTF analysis; the part repeated code P22A7.

Part was re-tested at Continental WRC; sensor operation in open air showed an intermittent connection

(drop in heater resistance and noise in the NOx signal).

Cross check determined sensor as issue.

Supplier Analysis:

Supplier detected particle contamination at contact portion (talc) on female contact between contact and element pad.

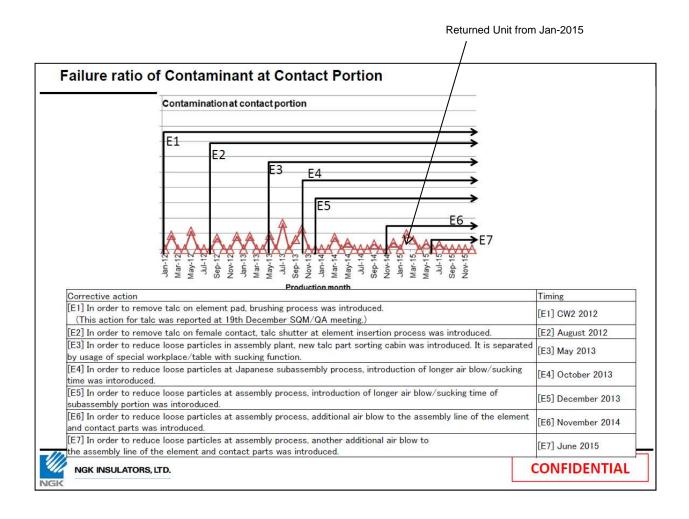
Root Cause:

Talc particles are inherent in the production environment as talc is a necessary part of the sensor product.

Talc is a low ppm occurrence; continuous improvement actions control talc particles.

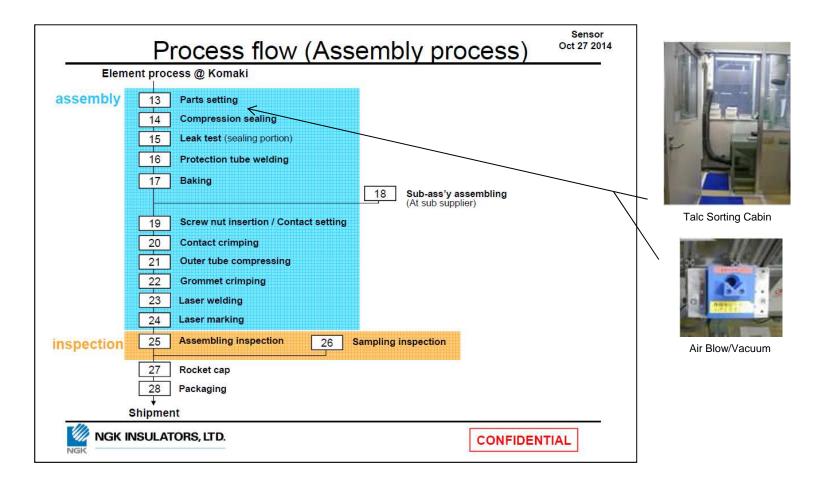


Build Date of Unit and Continuous Improvement Actions



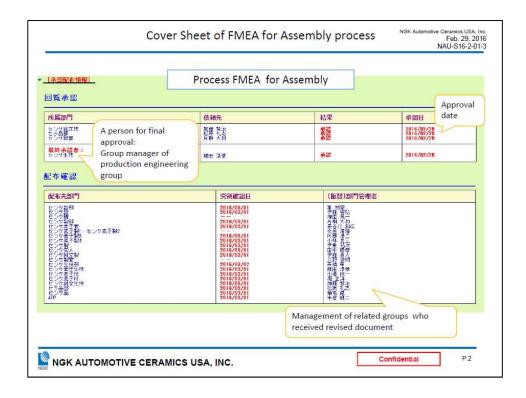


Process Flow



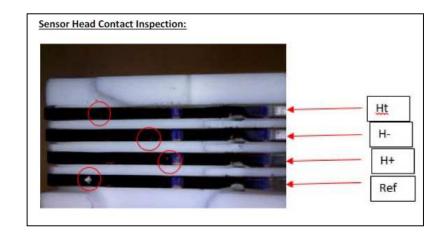


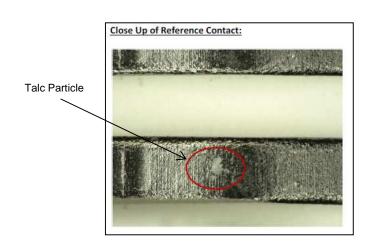
FMEA Update





Sensor Head Evaluation and Talc Particle









Thank you

