

# MARIA ISABEL PRECIADO GUTIERREZ

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Responsible, loyal, self starter and supportive Engineer with experience over 9 years in the Automotive industries in Research and Development areas, working with designers, engineers, managers, suppliers, making test to the products, analyzing the results applying new proposal or countermeasures, understanding the needs for the customer through market research is looking new challenges in the industry using my Knowledge, Skills and Abilities to develop the product, contributing to the develop of the company.

## TECHNICAL SKILLS

Instrumentation • Testing • Analyzing • Documenting and Reporting • Teamwork and Communication

Data Acquisitors: • Morphee System • Samtec System • LMS Siemens • Nodex

• AVL Systems • INCA Tools • CAN Tools

Dynamometers: • Dyne System • Meiden • Horiba

Analyzers System: • Horiba • GEM • LSM Siemens • R-Base

Cold Chamber equipment • Microphones and Acelerometers Equipment

• MS Office

## PROFESSIONAL EXPERIENCE

➤ **Honda R&D Americas Inc.** Raymond, OH. 04/2016 – 03/2018

I worked in NVH department as a Test Engineer, working with designers engineers and understanding the needs for the customer through market research, doing acoustic and vibration test, Data Acquisition, Vehicle Testing, Product Development, and Analyzed sources of noise and vibration to have the results on time.

Working with actual vehicles, prototypes vehicles, components, body, chassis, interior, developing and applying new proposal or countermeasures as required. Doing tests as Engine noise, Booming, Road Noise and Road Noise analysis, Idle Vibration, Impact (Body, Chassis, Tire, etc), Body Leak Test, modal analysis, structure-borne noise, tire analysis.

Recording, analyzing, documenting and Reporting data. Testing on road and in lab environments using data acquisition equipment.

Working with Siemens Products, LMS Data acquisitor, Meiden Dynamometers.

➤ **Test Engineer at CNH de México.** 03/ 2014 – 03/ 2016

Test Engineer at CNH Industrial Agriculture Division, Test and analysis data for Agriculture Tractors Prototype and Current Product, responsible of the dynamometer laboratory, having in charge two technicians.

## PROFESSIONAL EXPERIENCE

(Continue)

Coordinate as a Leader "The correlation with CQA Dynamometer and Engineering Dynamometer." Seeking and following suppliers for the Laboratory area. Planning the complete test, test execution, Review test data, Data Analysis and Report for all the departments involved having the results test on time.

Testing: Limiting Air Temperature, Air To Boil, Power Check, Noise Test and different tests for the Design Engineers and Product Engineers. Using Morphee and Samtec System, Can Tools, AVL System and Dyne System Dynamometers, working closely with FTP Industrial and CNH Industrial North America Engineers.

➤ **Engine, Durability & Part Test Engineer at Nissan Mexicana S.A de C.V.** 03/2010 – 01/2014

I was working in Engine Department, working with vehicle engineers and other departments like calibration department, chassis department and working together with other plants like Aguascalientes Plant, Civac Plant, Nissan Techno Japan and NTCNA USA Powertrain Division.

I made test plans to Engines Test, monitoring and recording of test data, Test Review, Test Reports and Test execution.

Analysis data to Engine vehicles, Durability and parts test evaluation. Engine assembly and disassembly. Partial and final reports for each tests. Review engine parts evaluation. Reporting results to the engineers and communicating the final information in meetings.

Tests: Oil Consumption test, Ultrahigh-speed test, High oil / water Temperature test. Durability test. Engine: ZV5, YD25K2, YD25K3, MR20, MR20 FFV, ZH2, KH2K1, KH2K0, QW, MR18.

Monitoring each test changing schedules each week (1st shift, 2nd shift, 3rd shift).

**Other goals:** I was in charge of the spare parts stock and warehouse parts control for all the projects. Seeking and following suppliers for the Laboratory area.

➤ **Calibration Engineer at Nissan at Nissan Mexicana S.A de C.V** 08/2008 – 03/ 2010

Vehicle Calibration Test, Test and analysis to Nissan Vehicles, diagnosis evaluation, OBD Test, Emission Test for Altima, Maxima, Xtrail, Xterra, Pathfinder and D22.

Warehouse inventory control of spare parts and gas inventory for the analyzers.

## HONORS AND AWARDS

➤ **Monozukuri Awards Recognition 2012 Nissan Mexicana.** 03/2013

PT2 lot test for YDK3 Turbo charger evaluation. Cost Reduction for PT2 lot test for YDK3 Turbo charger evaluation

➤ **Challenge#1 Award to Calibration Team Nissan Mexicana** 04/2009

Without errors or misproposal to avoid reprogramming in DM30 projects for Improvement of R&D activities.

## EDUCATION

Telematics Engineer • Universidad de Colima, México • 2003