

From: [REDACTED]
To: [EVOQ \(NHTSA\)](#)
Subject: Re: FW: Follow up to ODI Complaint -----11519092 -----
Date: Tuesday, June 13, 2023 1:24:33 AM
Attachments: [REDACTED]

CAUTION: This email originated from outside of the Department of Transportation (DOT). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Hello,

Please see the following attachments and forms filled out.

Thank you,
[REDACTED]

On Tue, May 30, 2023, 7:39 PM EVOQ (NHTSA) <EVOQ@dot.gov> wrote:

Please see the attached copy of your recent complaint and instructions. Please make any necessary edits and return via email to dataquality@dot.gov or fax to [\(202\) 366-1767](tel:(202)366-1767). Due to the volume of complaints we receive and our limited resources, we cannot respond to every complaint.

NHTSA/Office of Defects Investigation

U.S. Department
of TransportationNational Highway
Traffic Safety
Administration

DOT Auto Safety Hotline
Vehicle Owner's Questionnaire
 To Report Vehicle Safety Defects
 1-888-DASH-2-DOT
 (1-888-327-4236)
 INTERNET: www.nhtsa.dot.gov/hotline

FOR AGENCY USE ONLY 100148

Date Received

26-APR-2023

Repository ☐Reference No.
11519092**OWNER INFORMATION (Type or Print)**

Name			
Address			
City	Ontario	State	CA
		ZIP Code	

Daytime Telephone Number

E-mail Address

Evening Telephone Number

The information you provide will be used to identify potential safety-related defects. We may share your information with the applicable vehicle manufacturer during an investigation or recall in accordance with the routine uses described in the agency's Privacy Act notice. See 49 FR 53971 (Sep. 3, 2004).

VEHICLE INFORMATION

17 digit Vehicle Identification Number Located at bottom of windshield on driver's side KMHD84LF9KL		MAKE HYUNDAI	Model ELANTRA	Model Year 2019
Date Purchased APRIL 2022	Dealer's Name and Telephone Number CALIFORNIA MOTORS DIRECT		Engine: No: Cylinders	Fuel Type:
Original Owner ☐	Dealer's City Ontario MONTCLAIR	STATE CA	ZIP Code 91761	
Transmission Type	☐ Antilock Brakes ☐ Cruise Control	Powertrain	Multiple Failure:	Incident Date(s) 10-APR-2023

FAILED COMPONENT(S)/PART(S) INFORMATION

Vehicle Components Codes: 060000 ENGINE (PWS) P000A Pending P0014	Failure Mileage 73000.0	Failure Speed 55
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ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A TIRE FAILURE

Tire Make	Tire Model (Name or Number)	Tire Size (Example P215/65R15)
DOT No. (Example: DOTM1 9ABC036)	☐ Original Requirement ☐ Prior Repair	Failure Location:
Tire Component Code	Tire Failure Type:	

ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A CHILD SEAT FAILURE

Make:	Date Manufactured:	Model No./Name:
Seat Type:	Installation System:	
Child Seat Component Code:	Failed Part:	

APPLICABLE INCIDENT INFORMATION

(Please describe in detail the Incident(s), Failure(s), Crash(es), Injury(ies).)

Crash ☐ Yes ☒ No	Fire ☐ Yes ☒ No	Number of Persons Injured	Number of Deaths	Reported to Police N
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Narrative Description of Incident(s), Crash(es), Injury(ies).

Please describe (1) events leading up to the failure, (2) failure and its consequences, and (3) what was done to correct the failure; i.e. parts repaired or replaced (and if old part is available).

The contact owns a 2019 Hyundai Elantra. The contact stated while driving 55 MPH, the vehicle stalled inadvertently. There was no warning light illuminated. The contact was unable to veer to the side of the road. The contact was able to restart the vehicle and continued driving. The contact stated that the failure recurred several times while driving. The vehicle was taken to the dealer, where it was diagnosed that the rod bearing had failed, and the engine needed to be replaced. The vehicle was not repaired. The manufacturer was notified of the failure and informed the contact that the vehicle could not be repaired under NHTSA Campaign Number: 21V301000 (Engine) as the VIN was not included. The failure mileage was approximately 73,000.

Contact adds: REPAIR ESTIMATE FROM HYUNDAI DEALERSHIP,
 NHTSA RECALL 21V-301 LETTER
 HYUNDAI ACKNOWLEDGEMENT LETTER FOUNTAIN VALLEY

Include, if available: Police/Fire Department Report, Photos, and Repair Invoice.

ATTACH ADDITIONAL SHEETS IF NECESSARY

The Privacy Act of 1974-Public Law 93-579. This information is requested pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond this questionnaire. Your response may be used to assist the NHTSA in determining whether a Manufacturer should take appropriate action to correct a safety defect. If the NHTSA proceeds with administrative enforcement or litigation against a manufacturer, your response, or a statistical summary thereof, may be used in support of the agency's action.



U.S. Department of Transportation
**National Highway Traffic Safety
Administration**

1200 New Jersey Avenue SE
Washington, DC 20590

May 3, 2021

Mr. Cole Stutz
Hyundai Motor America
10550 Talbert Avenue
Fountain Valley, CA 92708

NEF-107JK
21V-301

Subject: Improperly Heat-Treated Piston Oil Rings

Dear Mr. Stutz:

This letter serves to acknowledge Hyundai Motor America's notification to the National Highway Traffic Safety Administration (NHTSA) of a safety recall which will be conducted pursuant to Federal law for the product(s) listed below. Please review the following information to ensure that it conforms to your records as this information is being made available to the public. If the information does not agree with your records, please contact us immediately to discuss your concerns.

Makes/Models/Model Years:

HYUNDAI/ELANTRA/2019-2020

HYUNDAI/KONA/2019-2021

HYUNDAI/VELOSTER/2019-2021

Mfr's Report Date: April 28, 2021

NHTSA Campaign Number: 21V-301

Components:

ENGINE

Potential Number of Units Affected: 125,840

Problem Description:

Hyundai Motor America (Hyundai) is recalling certain 2019-2020 Elantra, 2019-2021 Kona and Veloster vehicles equipped with 2.0L Nu MPI engines. The piston oil rings may not have been properly heat-treated, which could result in engine damage.

Consequence:

A damaged engine may stall, increasing the risk of a crash. In addition, oil may leak onto hot exhaust components, increasing the risk of a fire.

Remedy:

Dealers will inspect and, if necessary, replace the engine, free of charge. In addition, Hyundai will deploy Piston Ring Noise Sensing System (PNSS) software. Owner notification letters are expected to be mailed June 25, 2021. Owners may contact Hyundai customer service at 1-855-371-9460.

Notes:

Owners may also contact the National Highway Traffic Safety Administration Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to www.safercar.gov.



Please ensure the following requirements are met:

Per the requirements of 573.6(c)(2)(iv), please provide the supplier contact information, address and country of origin (if known) for the piston assembly. If your company manufactured the component itself, then please state so in 573.

AMENDED 573 REQUIRED.

Please be reminded of the following requirements:

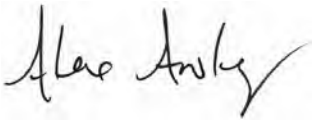
You are required to submit a draft owner notification letter to this office no less than five days prior to mailing it to the customers. Also, copies of all notices, bulletins, dealer notifications, and other communications that relate to this recall, including a copy of the final owner notification letter and any subsequent owner follow-up notification letter(s), are required to be submitted to this office no later than 5 days after they are originally sent (if they are sent to more than one manufacturer, distributor, dealer, or purchaser/owner).

Please be reminded that under 49 U.S.C. § 30112(a)(3), it is illegal for a manufacturer, to sell, offer for sale, import, or introduce or deliver into interstate commerce, a motor vehicle or item of motor vehicle equipment that contains a safety defect once the manufacturer has notified NHTSA about that safety defect. This prohibition does not apply once the motor vehicle or motor vehicle equipment has been remedied according to the manufacturer's instructions.

As stated in Part 573.7, submission of the first of six consecutive quarterly status reports is required within one month after the close of the calendar quarter in which notification to purchasers occurs. Therefore, the first quarterly report will be due on, or before, 30 days after the close of the calendar quarter.

Hyundai Motor America's contact for this recall will be Jennifer Kruger who may be reached by email at jennifer.kruger@dot.gov. We look forward to working with you.

Sincerely,



Alex Ansley
Chief, Recall Management Division
Office of Defects Investigation
Enforcement

Part 573 Safety Recall Report

21V-301

Manufacturer Name : Hyundai Motor America

Submission Date : APR 28, 2021

NHTSA Recall No. : 21V-301

Manufacturer Recall No. : 203



Manufacturer Information :

Manufacturer Name : Hyundai Motor America

Address : 10550 Talbert Avenue

Fountain Valley CA 92708

Company phone : 800-633-5151

Population :

Number of potentially involved : 125,840

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2020 Hyundai Elantra

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 45,703 model year 2019-2020 Hyundai Elantra vehicles equipped with 2.0-litre "Nu" MPI engines and produced from November 1, 2018 through July 8, 2020 by Hyundai Motor Company in South Korea for sale in the U.S. market.

Production Dates : NOV 01, 2018 - JUL 08, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2019-2021 Hyundai Kona

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 74,010 model year 2019-2021 Hyundai Kona vehicles equipped with 2.0-litre "Nu" MPI engines and produced from November 2, 2018 through September 1, 2020 by Hyundai Motor Company in South Korea for sale in the U.S. market.

Production Dates : NOV 02, 2018 - SEP 01, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2019-2021 Hyundai Veloster

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : 6,127 model year 2019-2021 Hyundai Veloster vehicles equipped with 2.0-litre "Nu" MPI engines and produced from November 2, 2018 through May 27, 2020 by Hyundai Motor Company in South Korea for sale in the U.S. market.

Production Dates : NOV 02, 2018 - MAY 27, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : The engines in the subject vehicles may have been assembled using piston oil rings that were produced with inconsistent nitride heat treating by the piston oil ring supplier resulting in excessive oil ring hardness. Excessive hardness can cause chipping of the piston oil ring's outer periphery, which could lead to abnormal scuffing of the engine's cylinder bore. A damaged cylinder bore could create accelerated oil consumption, which may then cause abnormal knocking noise from the engine and/or illumination of the oil pressure warning light.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Continual operation of the vehicle in this condition could result in a seized connecting rod bearing, which could cause damage to the engine block and eventually stall the vehicle. In limited instances, a connecting rod could puncture the engine block and cause engine oil to leak, which, in the presence of hot surfaces, could increase the risk of a fire.

Description of the Cause : Intervals of low temperature during the nitride heat treatment process resulted in excessive hardness and decreased crack resistance of the oil ring.

Identification of Any Warning that can Occur :

- A. Abnormal (knocking) noise from engine
- B. Reduced motive power and/or hesitation
- C. Illumination of the "Check Engine" warning lamp
- D. Illumination of engine oil pressure warning lamp
- E. Burning smell, oil leaking, smoke

Involved Components :

Component Name 1 : PISTON ASSEMBLY

Component Description : Piston assembly for 2019-2020 Elantra, 2019-2021 Kona/Veloster

Component Part Number : 23041-2E801

Supplier Identification :

Component Manufacturer

Name : Dongsuh Federal Mogul

Address : NR

NR

Country : NR

Chronology :

Please see attachment A for the requested chronology.

Description of Remedy :

Description of Remedy Program : Hyundai Motor America plans to notify owners of affected vehicles to return their vehicles to their Hyundai dealers for an engine inspection test to determine the presence of damage on the cylinder bore and piston skirt. If abnormalities relating to damage is found, the engine will be replaced with a new one.

As an added level of protection, all affected vehicles will receive an enhanced engine control software update containing a new Piston Noise Sensing System ("PNSS") program. The PNSS continuously monitors engine vibrations for unusual patterns potentially indicating an abnormal condition with the engine, such as a damaged cylinder bore and/or piston skirt, which could lead to an engine failure. The PNSS is currently under development and will be applied when available.

The remedy procedure will be performed at no charge. Hyundai will provide reimbursement to owners for repairs according to the plan submitted on May 16, 2018.

How Remedy Component Differs from Recalled Component : The oil ring has been properly heat treated.

Identify How/When Recall Condition : The temperature and timing of the nitride heat treatment process was
was Corrected in Production : revised on June 30, 2020 by the supplier.

Recall Schedule :

Description of Recall Schedule : Dealers and owners will be notified beginning in late June 2021.

Planned Dealer Notification Date : JUN 25, 2021 - JUN 25, 2021

Planned Owner Notification Date : JUN 25, 2021 - JUN 25, 2021

* NR - Not Reported



Technical Service Bulletin

GROUP
RECALL

NUMBER
21-01-054H

DATE
AUGUST, 2021

MODEL
ELANTRA (AD)
KONA (OS)
VELOSTER (JS)

SUBJECT:

NU 2.0L ATKINSON ENGINE INSPECTION (RECALL 203)

***** Dealer Stock and Retail Vehicles *****

As required by federal law, dealer must not deliver new vehicle for sale or for lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into customer use and whenever an affected vehicle is in the shop for maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information (VIS)" screen via WEBDCS to identify open Campaigns.

Description: On certain vehicles listed below, the engine may have been assembled using piston oil rings that were out of specification. This can cause abnormal scuffing of the engine cylinder bores due to chipped piston oil rings which can also result in accelerated engine oil consumption.

Follow the procedures in this bulletin to inspect the vehicle and to determine the applicable repair procedure based on the inspection results.

APPLICABLE VEHICLES:

- Certain 2019-20MY Elantra (AD)* vehicles with 2.0L Nu engines produced through 7/6/2020
- Certain 2019-21MY Kona (OS) vehicles with 2.0L Nu engines produced through 9/1/2020
- Certain 2019-21MY Veloster (JS) vehicles with 2.0L Nu engines produced through 5/27/2020

NOTE: *Elantra (AD) vehicles have VINs starting with "KMH".

SST Information:

TOOL NAME	FIGURE / TOOL NUMBER	NOTE
Engine Vibration Inspection Tool	 G1XTD-CP200-QQH	• This tool will be initially supplied by HMA through MPA. Each dealer will receive one at the start of this recall. • A Galaxy tablet device equipped with a headphone / microphone port is required. Certain models without this port (such as the Samsung Galaxy Tab S6) are not compatible to use with this tool. Do not use a USB Type C-to-3.5mm Headphone Jack Adapter.

Warranty Information:

MODEL	OP CODE	OPERATION	OP TIME	CAUSAL P/N	NATURE CODE	CAUSE CODE
ALL (AD/OS/JS)	11D110R0	ENGINE VIBRATION INSPECTION	0.3 M/H	21101-113ZRQQHRM	B25	ZZ1
2019-20MY Elantra (AD)	11D110R5	NO NEED TO PERFORM ENGINE VIBRATION INSPECTION (AFTER ENGINE R&R)	0.1 M/H			
2019-21MY Kona (OS)	11D110R6	NO NEED TO PERFORM ENGINE VIBRATION INSPECTION (AFTER ENGINE R&R)	0.1 M/H			
2019-21MY Veloster (JS)	11D110R7	NO NEED TO PERFORM ENGINE VIBRATION INSPECTION (AFTER ENGINE R&R)	0.1 M/H			

NOTE 1: Submit claim on Campaign Claim Entry Screen

NOTE 2: If a part that is not covered by this recall is found in need of replacement while performing the repair for this TSB, and the affected part is still under warranty, please submit a separate claim using the same Repair Order. If the affected part is out of warranty, submit a prior approval request for goodwill consideration prior to performing the work.

NOTE 3: If the engine vibration inspection cannot be performed due to the vehicle requiring an engine R&R for another reason on the same visit, use the appropriate Op Code for "NO NEED TO PERFORM ENGINE VIBRATION INSPECTION (AFTER ENGINE R&R)" then submit the normal warranty claim for the engine R&R.

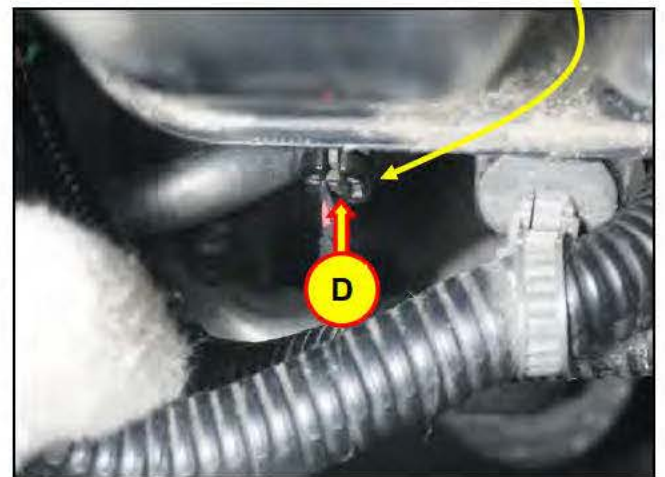
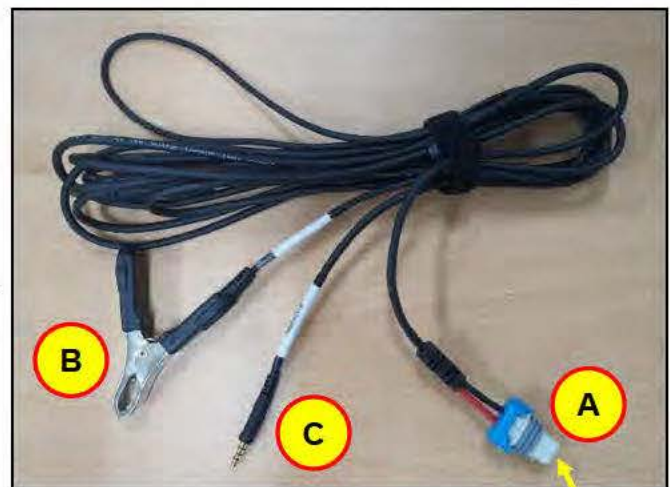
NOTE 4: If the test result ends in a 'NO PASS' result, please place customer in an SRC and await further direction from HMA.

NOTICE

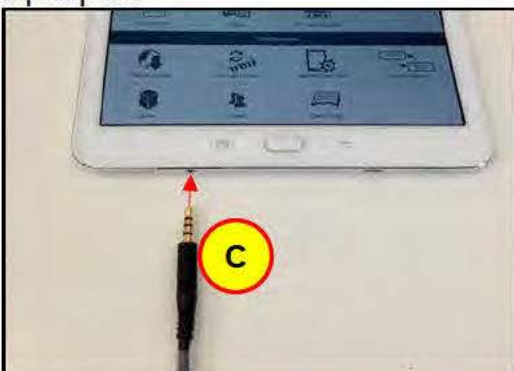
- During the initial vehicle inspection, engine oil level that is abnormally low (**near or below "L" for relatively low miles since last oil change or top off**) due to a possible accelerated engine oil consumption condition will need further diagnosis.
 - Refer to HTSS "Fix it Right" under symptom "Campaign"
- If possible, the engine coolant temperature should be closer to normal operating temperature of 85°C / 185°F (or higher) to help expedite the actual engine inspection procedure.

Inspection Procedure:

1. Prepare the engine vibration inspection tool and GDS-M.
 - Inspect the vehicle in an area where the ambient noise and vibration levels are minimal.
 - Using the last GDS-M software update, the VCI must be updated with the latest firmware also.
2. Connect the knock sensor connector (A) of the engine vibration inspection tool to the engine knock sensor (D).
3. Connect the ground clamp (B) to the battery '-' terminal.
 - Position the vibration inspection tool harness to avoid interference and vibration from the engine components which may affect the inspection result.
 - Route the wiring harness around the engine compartment as shown below.



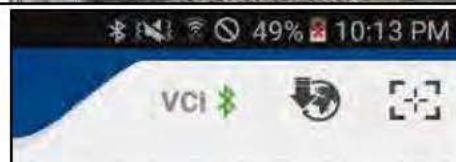
4. Connect the signal jack (C) to the GDS-M stereo input port.


NOTICE

A Galaxy tablet device equipped with a headphone / microphone port is required. Certain models without this port (such as the S6 tablet) are not compatible for this inspection. Do not use a USB-C jack adapter.

5. Connect the VCI to the vehicle's DLC port and check the Bluetooth pairing condition between the VCI and GDS-M.

- Before pairing: White lamp light
- After pairing: Green lamp light



6. Turn the vehicle ignition 'ON' and prepare the GDS for the inspection procedure.

- Enter the vehicle info into the GDS (E).
- Swipe up on the "More" tab at the bottom of the GDS home screen (F).
- Select the **"Special Inspection"** function (G).

NOTE: If the vehicle is not supported by the inspection program (either wrong model, model year, or engine), then this inspection will not be made possible.



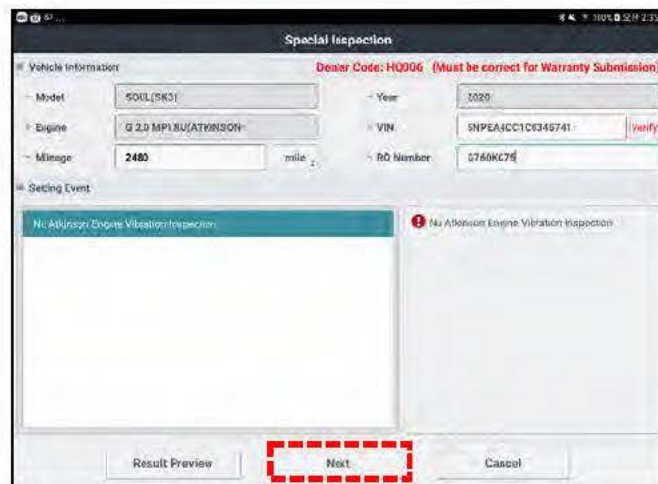
7. Enter the mileage and RO number of the vehicle accurately.

8. Select the **"Nu Atkinson Engine Vibration Inspection"** and press the 'Next' button to proceed.

[Refer to link below for guided video information.]

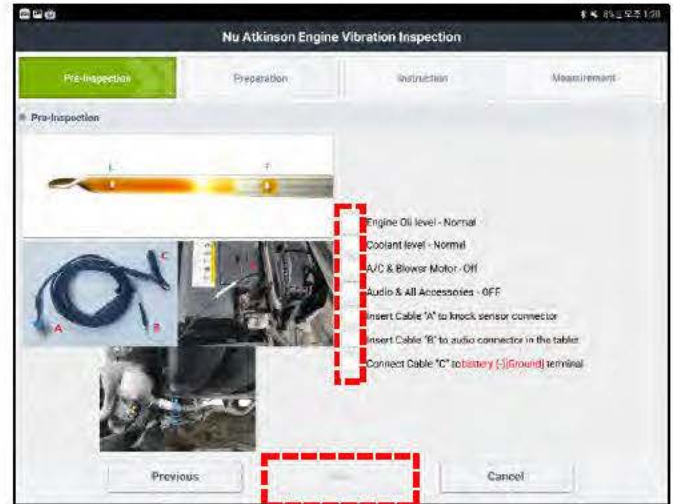


[Hyundai Service Learning - Campaign 203 Service Procedure](#)



9. To obtain accurate inspection results, verify and acknowledge the check items that must be carried out before the inspection test.

- Check all the precondition items on the list. (The actual monitoring of the Engine Coolant Temperature will be performed at the following screen.)
- After all the precondition items have been acknowledged with checkboxes, press the 'Next' button to proceed.



NOTICE

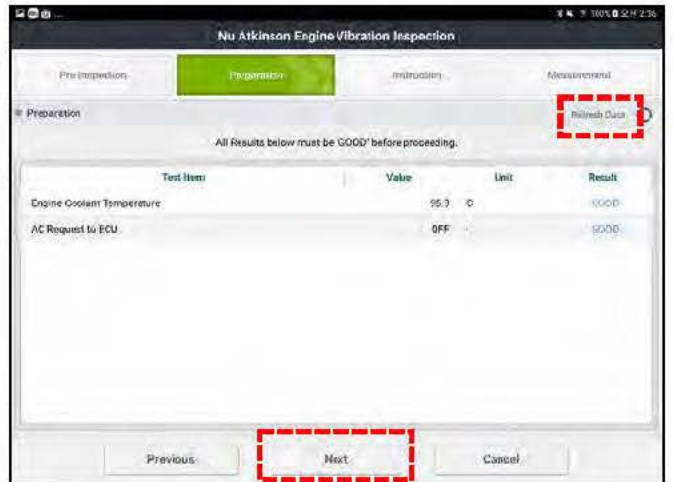
During the initial vehicle inspection, engine oil level that is abnormally low (**near or below "L" for relatively low miles since last oil change or top off**) due to a possible accelerated engine oil consumption condition will need further diagnosis.

- Refer to HTSS "Fix it Right" under symptom "Campaign"

10. The inspection program automatically checks engine sensor data and enables the "Next" button when all conditions are satisfied.

NOTE: A "NOT GOOD" status is displayed if the conditions are not satisfied. Press the "Refresh Data" button to obtain new sensor data after warming the engine and turning off the A/C.

- If all conditions are satisfied, press the "Next" button to proceed.



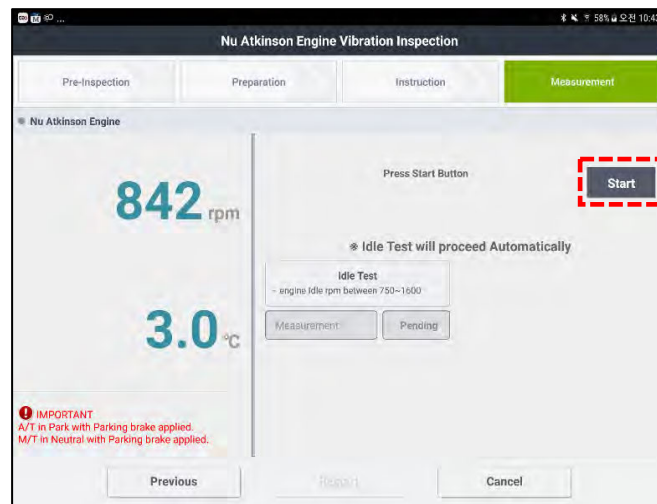
11. After reviewing the vibration inspection process explanation and precautions, press the "Next" button to proceed.



12. In this screen, the program will perform an internal diagnosis after the “Start” button is pressed while the engine is at **idle speed** and the KS signal is acquired for five seconds.

- A brief warm up of the engine (by slightly raising the engine speed several times) may be required if the coolant temperature is not warm enough to be tested.

NOTE: If the measured input value is abnormally lower or higher than the expected range, then a sensor check message will be displayed with the inspection test being canceled.

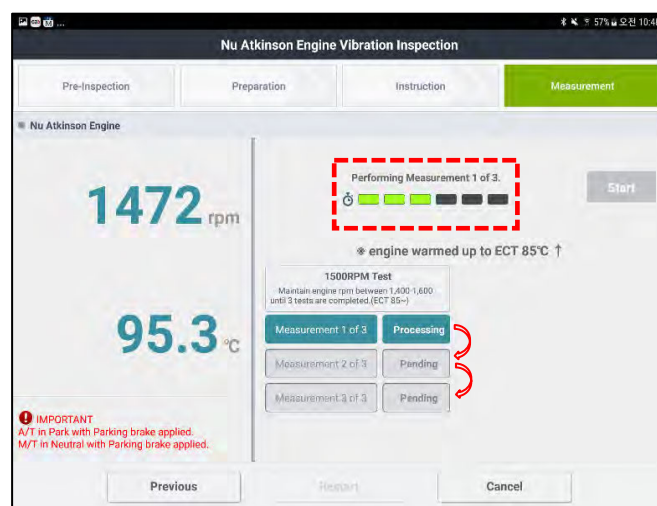
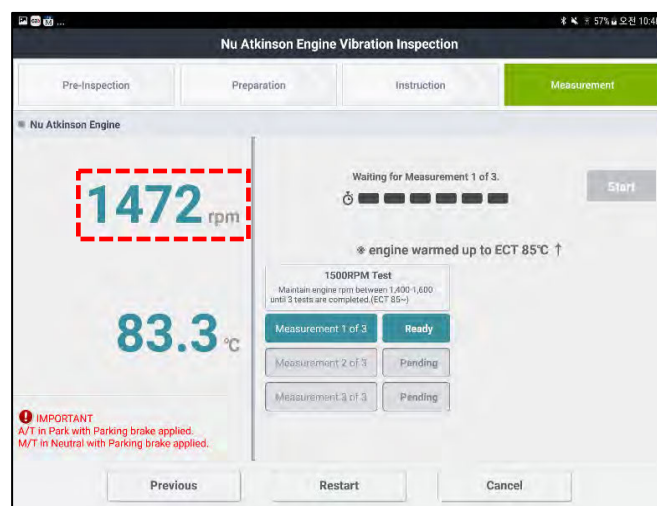


13. Press the accelerator pedal to maintain an engine rpm target of 1500 ± 100 rpm.

- Maintain a steady engine speed between 1400-1600 rpm for five seconds.

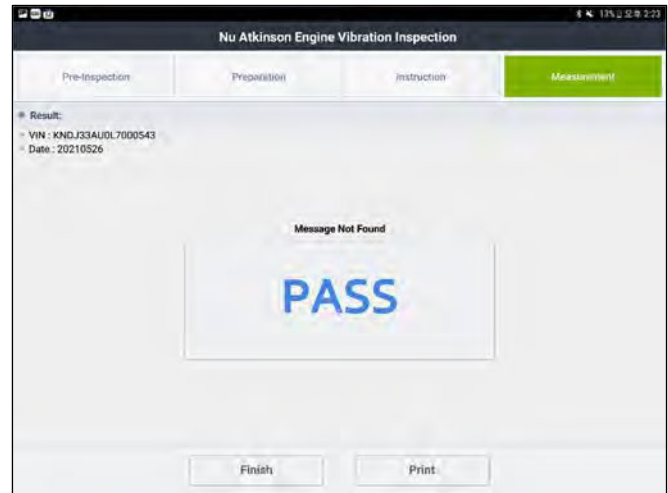
NOTE: If the engine rpm deviates from the specified target range, the engine speed value will be indicated in red color and the time count will be halted.

- When the engine speed is within the target rpm range, the green status bars will continue to illuminate for each measurement cycle.
- Repeat the 1500 ± 100 rpm engine speed test to complete the 3 measurement cycles.

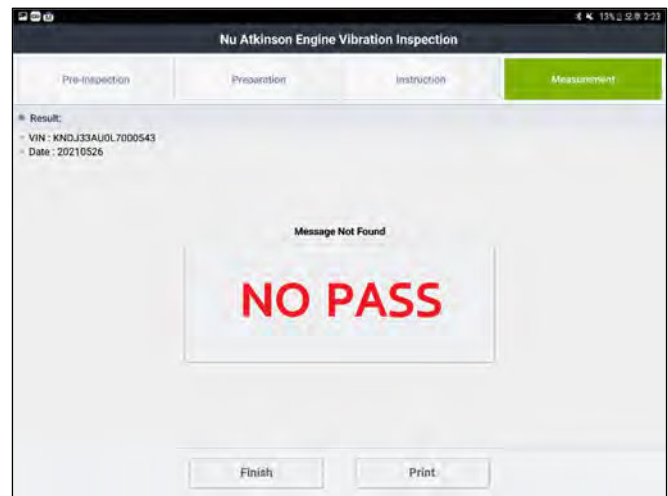


14. When the inspection test is completed, the result will be displayed. Save a screenshot of the results screen for records.

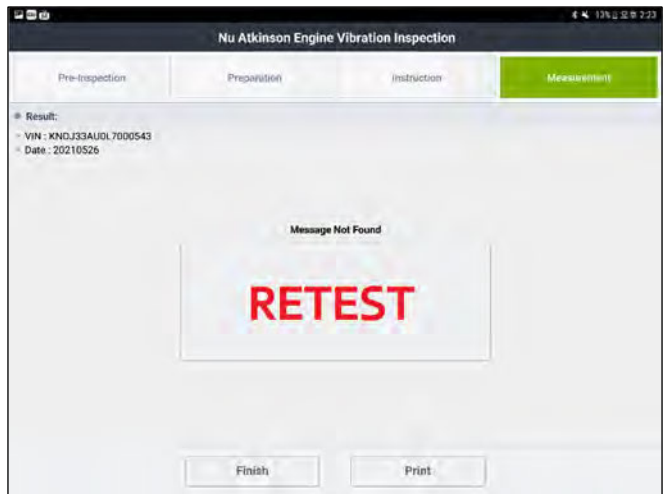
- If the test result is **PASS**, the measured engine vibration level is determined to be normal. The engine inspection is complete.



- If the test result is **NO PASS**, the measured engine vibration level is determined to be abnormal.
 - 1) The PA and Engine Diagnosis Worksheet will be automatically created and saved in DRAFT.
 - 2) Complete the information in the Engine Diagnosis Worksheet and apply the Service Manager's signature before submitting the PA.
 - 3) Place the customer in a SRC and await further direction on the remedy.



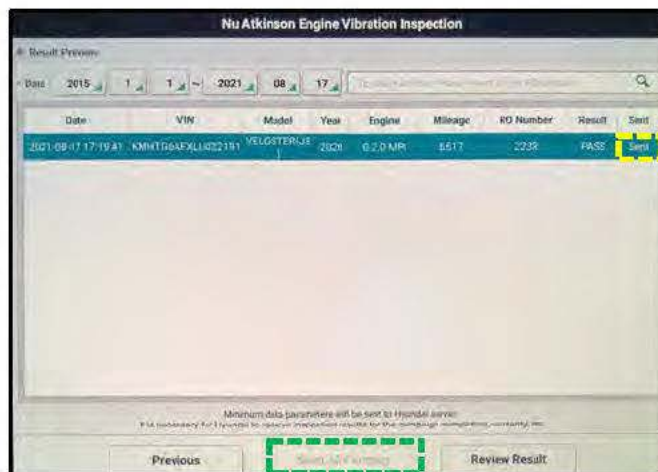
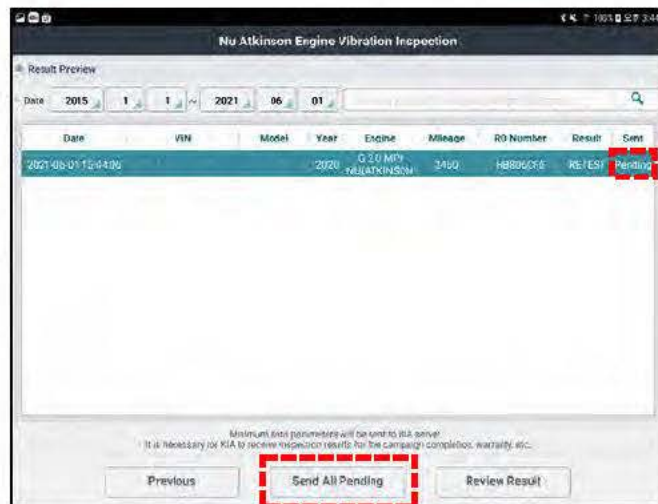
- If the test result is **RETEST**, there is an error detected in measuring the vibration value. Check the inspection tool connections and perform the inspection test again.



15. When the inspection is completed, the inspection results are automatically sent to the server.
- KS measured value, inspection time, dealer code, VIN, vehicle information, mileage, and sensor recording file will be sent.
 - Be sure to check the status in the Results Preview screen and select "Send All Pending" if the test results have not been sent from the tablet to the server.

NOTICE

The basic inspection history and the results sent to the server are available to review through by selecting the "Review Result" button from the Results Preview screen.



SERVICE ADVISOR

Ahmed Ibrahim

aibrahim@ontariohyundai.com

(909) 443-6100

PREPARED FOR

PRINTED - 4/25/2023

QUOTE EXPIRES - 5/25/2023

REPAIR FACILITY ID -

2019 HYUNDAI ELANTRA

KMHD84LF9KU

Mileage 73,369

SERVICE NAME

COST

[Primary]: DIAG : A TRAINED TECHNICIAN WILL ANALYZE (DIAGNOSE) YOUR CONCERN. AS A RESULT OF DIAGNOSIS, AN ESTIMATE FOR REPAIRS OR ADDITIONAL DIAGNOSIS AS REQUIRED WILL BE PROVIDED TO YOU. DIAGNOSIS FEE DOES NOT INCLUDE COST OF PARTS AND/OR LABOR TO COMPLETE REPAIR. PLEASE ADDRESS ANY CONCERNS DIRECTLY WITH YOUR SERVICE ADVISOR UPON ARRIVAL. DISCLAIMER REGARDING PRICE: WAIVED IF COVERED UNDER FACTORY OR EXTENDED WARRANTY. DEALERSHIP WILL DETERMINE ELIGIBILITY.

LABOR 0.00 hours at \$0.00 per hour

\$0.00

[Primary]: CUSTOMER STATES ENGINE HAS A KNOCKING NOISE,CHECK AND ADVISE----FOUND ENGINE BEARING FAILUER DUE TO INSUFFICIENT LUBRICATION.

LABOR 0.00 hours at \$0.00 per hour

\$0.00

[Primary]: MPI : MULTI-POINT INSPECTION OEM RECOMMENDED

LABOR 0.00 hours at \$0.00 per hour

\$2,744.00

PARTS	Qty	Description	Number	Price	Total
	1	ENGINE ASSY-SUB	15ZN1-2EX00	\$4,838.71	\$4,838.71
	1	GASKET KIT-ENGINE OVERHAUL	20910-2EU13	\$283.82	\$283.82

Parts and labor sub total \$7,866.53

[Primary]: MPI : MULTI-POINT INSPECTION OEM RECOMMENDED

LABOR 0.00 hours at \$0.00 per hour

\$0.00

Radiator Hose Replacement - Upper: UPPER RADIATOR HOSE REPLACEMENT RECOMMENDED DUE TO ENGINE REPLACEMENT TUNE UP

LABOR 0.60 hours at \$190.00 per hour

\$114.00

PARTS	Qty	Description	Number	Price	Total
	1	HOSE ASSY-RADIATOR,UPR	25414-F2100	\$26.02	\$26.02

Parts and labor sub total \$140.02

Radiator Hose Replacement - Lower: LOWER RADIATOR HOSE REPLACEMENT RECOMMENDED DUE TO ENGINE REPLACEMENT TUNE UP

LABOR 0.00 hours at \$0.00 per hour

\$0.00

PARTS	Qty	Description	Number	Price	Total
	1	HOSE ASSY-RADAATOR,LWR	25415-F2100	\$47.61	\$47.61

Parts and labor sub total \$47.61

Brake Flush: CUSTOMER REQUEST PERFORM BRAKE FLUID EXCHANGE DUE TO YEAR AND MILEAGE

LABOR \$100.00

PARTS \$59.95

Parts and labor sub total \$159.95

Serpentine Belt: DUE TO YEAR AND MILEAGE TUNE UP RECOMMENDED

LABOR 0.30 hours at \$190.00 per hour

\$57.00

PARTS	Qty	Description	Number	Price	Total
	1	RIBBED BELT-V	25212-2E300	\$38.73	\$38.73

Parts and labor sub total \$250.00

Brake Job - Front (Replace Pads/Resurface Rotors): LOW BRAKE PADS RECOMMENDED REPLACING

LABOR 2.00 hours at \$190.00 per hour

\$380.00

PARTS	Qty	Description	Number	Price	Total
	1	PAD KIT-FRONT DISC BRAKE	58101-F2A00	\$83.94	\$83.94

Parts and labor sub total **\$290.00**

Cabin Air Filter Replacement: REPLACE THE CABIN AIR FILTER DIRTY

LABOR **\$40.00**

PARTS **\$39.95**

Parts and labor sub total **\$79.95**

Transmission Fluid Change: due to year and mileage

LABOR 1.00 hours at \$190.00 per hour **\$190.00**

PARTS **\$110.00**

Parts and labor sub total **\$300.00**

ESTIMATE DISCLAIMER

ESTIMATE RANGES

Total Labor \$3,625.00

Total Parts \$5,599.06

Subtotal \$9,224.06

Shop Charges \$0.00

Taxes \$433.93

Total \$9,657.99



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