

Part 573 Safety Recall Report

22E-006

Manufacturer Name : Nexxpro - Fabrica de Capacetes, S.A.

Submission Date : FEB 13, 2023

NHTSA Recall No. : 22E-006

Manufacturer Recall No. : NR



Manufacturer Information :

Population :

Manufacturer Name : Nexxpro - Fabrica de Capacetes, S.A.

Number of potentially involved : 12

Address : Zona Industrial Amoreira da Gandara

Estimated percentage with defect : 67 %

Lote 11 - Amoreira da Gandara -

Anadia Anadia 00 3780-024

Company phone : 231590010

Equipment Information :

Brand / Trade 1 : NEXX

Model : X.R2

Part No. : 01XR22312455100M

Size : M

Function : Safety

Descriptive Information : - On the 1st of march'19, it had been reported/detected a setup machine failure, leading to 18 non-conforming products. Those parts were submitted to a rework process.

- Due to lack of knowledge of worker and inexistence of a poka-yoke system, on 12 of the reworked parts it was used a different carbon layer (240g/m²) than the specified one (200g/m²).

- Reports of deviations during inventory of raw material + traceability records + lab test results lead us to the serial number of the affected parts:

- 2019-99655

- 2019-99662

- 2019-99658

- 2019-99673

- 2019-99514

- 2019-99517

- 2019-99602

- 2019-99600

- 2019-99533

- 2019-99691

- 2019-99692

- 2019-99598

Production Dates : MAR 01, 2019 - MAR 01, 2019

Description of Defect :

Description of the Defect : During a Safety Compliance Testing for FMVSS No. 218 Motorcycle Helmets, 3 of the 4 tested samples failed on the penetration test.

FMVSS 1 : 218 - Motorcycle helmets

FMVSS 2 : NR

Description of the Safety Risk : In case of accident, safety of the motorcyclist is compromised (eventually serious injury or death)

Description of the Cause : The cause for this noncompliance is related with the use (during a rework process) of a different carbon layer (240g/m²) than the specified one (200g/m²).

So, the problem is not related with the raw material itself.

Identification of Any Warning that can Occur : -

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :**Component Manufacturer**

Name : Nexxpro - Fábrica de Capacetes, S.A.

Address : Z.I. Amoreira da Gandara

Lote 11 Anadia Foreign States 3780-024

Country : Portugal

Chronology :

Once reported the failure detected during a Safety Compliance Testing for FMVSS No. 218 Motorcycle Helmets (dated 10 Sep 2020), it were picked some parts (of the same batch and also from another batch - 02) and submitted to testing, in an external lab. All of the tested parts were conforming.

Details of the samples submitted to testing:

- Laboratory: Omega (Italy); testing date: 02 Oct 2020; Report Nexxpro XR2 DOT 06102020 - batch 01
- Laboratory: Omega (Italy); testing date: 02 Oct 2020; Report Nexxpro XR2 DOT 06102020-1 - batch 02

It was requested info (S/N) regarding the S/N of the tested samples that failed. With those S/N it was possible to find out part's history.

According part's history records, those 12 parts were all submitted to a rework process and, in all of them, it was the same worker who proceeded with the rework and, at least in 11 of the 12 parts, a different raw material (carbon layer) than the specified one was used, and so we do consider as potential affected parts the 12 described.

Description of Remedy :

Description of Remedy Program : Defect/noncompliance remedy program: some of the remaining parts - same batch - were submitted to testing, with satisfactory results. Registration of the raw material used on each manufacturing order is now done through the IT system, and if a different Raw Material is used, the IT system automatically issues a red alert, and the batch of the produced parts is blocked.

Manufacturer's plan for reimbursement: replacement by new helmets.

How Remedy Component Differs from Recalled Component : In the remedy component it was used the correct raw material (carbon layer with 200g/m²).

Identify How/When Recall Condition was Corrected in Production : Recall condition was corrected on November'20.

Since this date, registration of the raw material used on each manufacturing order is now done through the IT system, and if a different Raw Material is used, the IT system automatically issues a red alert, and the batch of the produced parts is blocked.

Moreover, it were checked all production records since mar'19, and part's history of all the produced helmets, and it weren't found any deviations related with wrongly raw material use.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : FEB 07, 2022 - MAR 18, 2022

Planned Owner Notification Date : JAN 01, 2023 - JUL 31, 2023

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported