



**BUREAU
VERITAS**

ATTESTATION OF TECHNOLOGY QUALIFICATION

No HST/18/01326

MANUFACTURER: COLVEN S.A.
PRODUCT SERIAL NO.: VIGIA NM 343
PRODUCT DESCRIPTION: NM 343 AUTOMATIC TIRE PRESSURE SYSTEM
TECHNOLOGY READINESS LEVEL: TRL 7 - FIELD PROVEN

BUREAU VERITAS declares that after having examined the technical documentation, witnessed the functional tests and assessed the technology readiness of:

VIGIA NM 343 - AUTOMATIC TIRE PRESSURE SYSTEM

that the product was found to be:

TRL 7 – FIELD PROVEN

in general accordance with the terms of Technology Qualification Methodology described in the Technology Qualification Report# 18318-105001.01-01 Rev. 0.

The product key characteristics are provided in Annex 1 and the list of components is provided in Annex 2. This Attestation is based on the results of the technology qualification assessment and technical / quality management documents presented in the Technology Qualification Report# 18318-105001.01-01 Rev. 0. This Attestation will become invalid if there is any major change on the individual components of NM 343 listed in Annex 2, or on the manufacturing conditions of the product.

This Attestation expires on 13th June 2023.

For and on behalf of BUREAU VERITAS
Houston, June 13th, 2018



FLAVIA REZENDE

Director of Operations for Risk, Verification and Safety
Bureau Veritas North America



ANNEX 1:

NM 343 - KEY CHARACTERISTICS

Function:	NM 343 automatically regulates tire calibration by maintaining predetermined tire pressure, when the vehicle is in motion or stopped. In the event of tire punctures / leaks, the system automatically inflates the tire to the predetermined tire pressure and alerts the driver.
External dimensions:	117 mm. (4 5/8") x 58 mm. (2 9/32") x 35 mm. (1 3/8").
Working voltage:	12-24 V
Compatibility:	Capable to command up to 9 different pressures
Pressure display:	Digital display showing individual or sequential pressures
Alarm:	Warning audible alarms to notify the air loss

ANNEX 2:

NM 343 - LIST OF COMPONENTS

System	Part Number	Description
NM343	X2431.A045-0	Blocking Valve
NM343	X1419.A200-3	Air Filter
NM343	X3430.A014-5	Panel
NM343	X3430.A024-8	343 Module (3 pressure ports, 24V)
NM343	X3430.A023-6	343 Module (2 pressure ports, 24V)
NM343	X3430.A022-4	343 Module (3 pressure ports, 12V)
NM343	X3430.A021-2	343 Module (2 pressure ports, 12V)
NM343	P3430.0211-2	Solenoid Valve (3 pressure ports, 12V)
NM343	P3430.0351-2	Solenoid Valve (2 pressure ports, 12V)
NM343	P3430.0361-5	Solenoid Valve (3 pressure ports, 24 V)
NM343	P3430.0331-9	Solenoid Valve (2 pressure ports, 24 V)
NM343	X4434.A062-2	External Rotor
NM343	X2442.A122-7	Inflating Valves (length 50cm)
NM343	X2442.A123-9	Inflating Valves (length 30cm)
NM343	X2442.A192-2	Inflating Valves (length 40cm)
NM343	X2433.A095-3	Piping Spring
NM343	-	Piping (length 70 cm, 60 cm, 51 cm, 95 cm, 35 cm, 42 cm, 56 cm, 40 cm)
NM343	X1413.A066-9	Rotor Cover
NM343	X9201.A020-2	Parker Hose