



**BUREAU
VERITAS**

ATTESTATION OF TECHNOLOGY QUALIFICATION

No HST/18/01757

MANUFACTURER: COLVEN S.A.
PRODUCT SERIAL NO.: VIGIA NM 344
PRODUCT DESCRIPTION: NM 344 AUTOMATIC TIRE PRESSURE SYSTEM
TECHNOLOGY READINESS LEVEL: TRL 6 – FIELD QUALIFIED (SYSTEM INSTALLED)

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

VIGIA NM 344 - AUTOMATIC TIRE PRESSURE SYSTEM

that the product was found to be:

TRL 6 – FIELD QUALIFIED (SYSTEM INSTALLED)

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 344 listed in Annex 2, or on the manufacturing conditions of the product.

This Attestation expires on 15th August 2023.

For and on behalf of BUREAU VERITAS
Houston, August 15th, 2018

FLAVIA REZENDE

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



ANNEX 1:

NM 344 - KEY CHARACTERISTICS

Function:	NM 344 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 (Panel):	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 344 - LIST OF COMPONENTS

System	Part Number	Description
NM344	X2431.A045-0	Blocking Valve
NM344	X1419.A200-3	Air Filter
NM344	X3440.A011-7	Panel
NM344	X3440.A008-5	344 Module (3 pressure ports, 24V and 12V)
NM344	X3440.A010-5	344 Module (2 pressure ports, 24V and 12V)
NM344	P3440.0019-2	Solenoid Valve Assembly (3 pressure ports, 24V and 12V)
NM344	P3440.0020-0	Solenoid Valve Assembly (2 pressure ports, 24V and 12V)
NM344	X4434.A062-2	External Rotor
NM344	X2442.A122-7	Inflating Valves (length 50cm)
NM344	X2442.A123-9	Inflating Valves (length 30cm)
NM344	X2442.A192-2	Inflating Valves (length 40cm)
NM344	X2433.A095-3	Piping Spring
NM344	-	Piping (length 70 cm, 60 cm, 51 cm, 95 cm, 35 cm, 42 cm, 56 cm, 40 cm)
NM344	X1413.A066-9	Rotor Cover
NM344	X9201.A020-2	Parker Hose
NM344	X2433.A113.5	Bent Piping to Rotor Cover