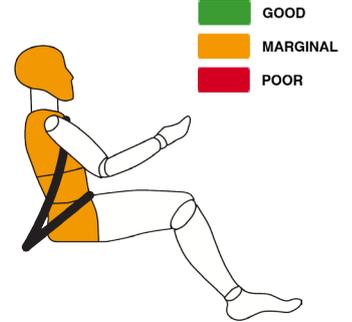


Ligier IXO JS LINE 4 Places

Petrol, 4 seat heavy quadricycle



FRONTAL 2.0 pts (of 16)



SIDE 7.9 pts (of 16)

Specifications

Seats	4
Power source	505cm ³ petrol
Kerb weight	465 kg
Maximum speed	70 km/h

Safety features

Three point seatbelts (front and rear)

Comments

Structure

The structure of the Ligier was badly deformed in the frontal test. The door pillar and the windscreen pillar were almost separated from one another. The fibreglass footwell area was badly fractured after the test and it was clear that the structure had reached its limit and would not be capable of withstanding a more severe impact. Dummy readings of chest compression indicated a high risk of serious or fatal injury and protection of this body area was rated as poor. In the side impact, the driver's door became detached from the car and the bootlid opened.

Restraints

No airbags are available on the Ligier IXO JS Line 4 Places. The vehicle has three point seatbelts but, in the frontal impact, the upper connection of this belt to the door pillar pulled out of the structure. The dummy was effectively unrestrained from that point on and the scoring of all body regions was penalised owing to the increased risk of injury. The head contacted the steering wheel, which moved rearwards excessively in the test, and there was a high risk of fatal injury. The lap portion of the seatbelt is routed in such a way that it sits very high on the abdomen and, in addition, the driver's seat collapsed during the frontal test. As a result, the dummy was seen to 'slip' under the lap portion of the seatbelt, a dangerous phenomenon known as 'submarining' which can be extremely hazardous to the abdominal region. In the side impact, the bottom of the B-pillar broke and the driver's seat was pushed sideways and became detached from the floor structure.