Simone Sample

Mechanical Reasoning Test

Report Information

Adaptive Tests

This is an adaptive test, which means the difficulty of the test automatically adapts to the candidate's ability as each question was answered. A correct answer causes the next question to be more difficult, and an incorrect answer causes the next question to be slightly easier. The score weighting of each question is determined by its difficulty, so difficult questions are worth more than easier questions.

Adaptive tests are more accurate than traditional fixed-form tests in which everyone sees the same questions. Adaptive tests also give better candidate experience because they take less time, and avoid showing questions which are way too hard or way too easy for the candidate. Our adaptive tests automatically pick questions from a large bank of questions of varying difficulty, to effectively make each test tailored to the candidate. It is unlikely that any two candidates will experience exactly the same set of questions, which helps us control over-exposure of questions and increases test security.

About This Test
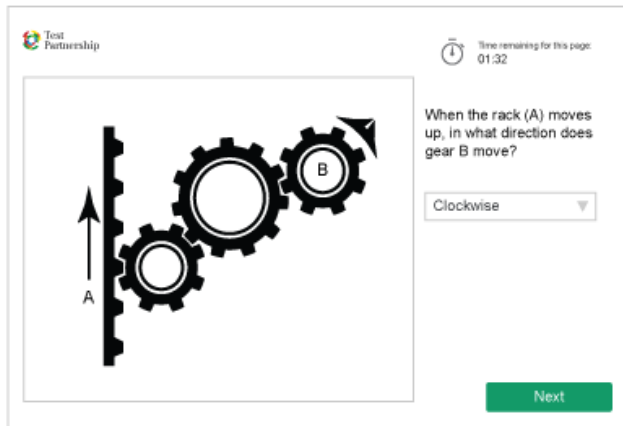
This assessment measures the ability to evaluate your ability to apply mechanical and physical principles to systems or processes.

Mechanical reasoning tests are powerful predictors of future performance in roles that involve working with mechanical concepts.
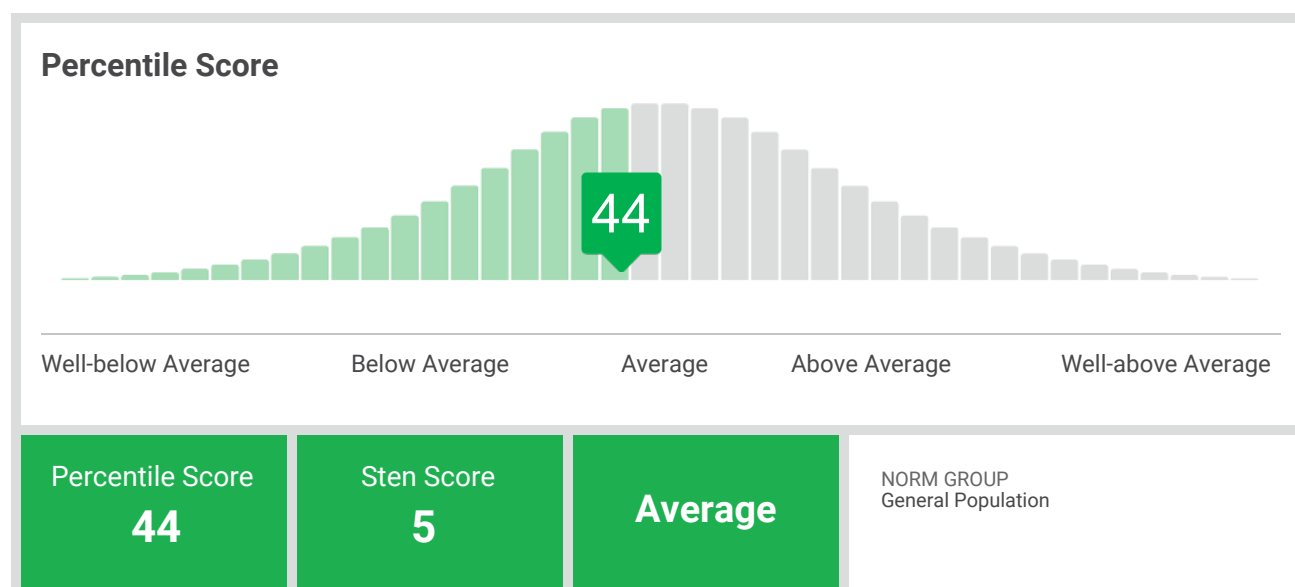

Research shows that mechanical reasoning tests rank among the strongest predictors of performance in work with moderate to high complexity. There are three key reasons for this.

Firstly, those scoring highly on mechanical reasoning tests acquire job knowledge faster and more effectively, especially in mechanical fields. They also retain more information and apply that information more effectively than those who score lower on mechanical reasoning tests, boosting overall job performance. Secondly, mechanical reasoning is essential to mechanical problem solving. Those scoring highly on mechanical reasoning tests are better equipped to recognise, understand, and solve mechanical problems. Lastly, mechanical reasoning is a key facet of general cognitive ability, the strongest predictor of job performance known. When combined with other ability tests, mechanical reasoning tests help gauge a candidate's overall cognitive ability, essential to acquiring knowledge and solving problems more generally.

Assessment Results

Simone Sample's performance on this test indicates an ability which is higher than 44% of the 6600 General Population in the comparison group.
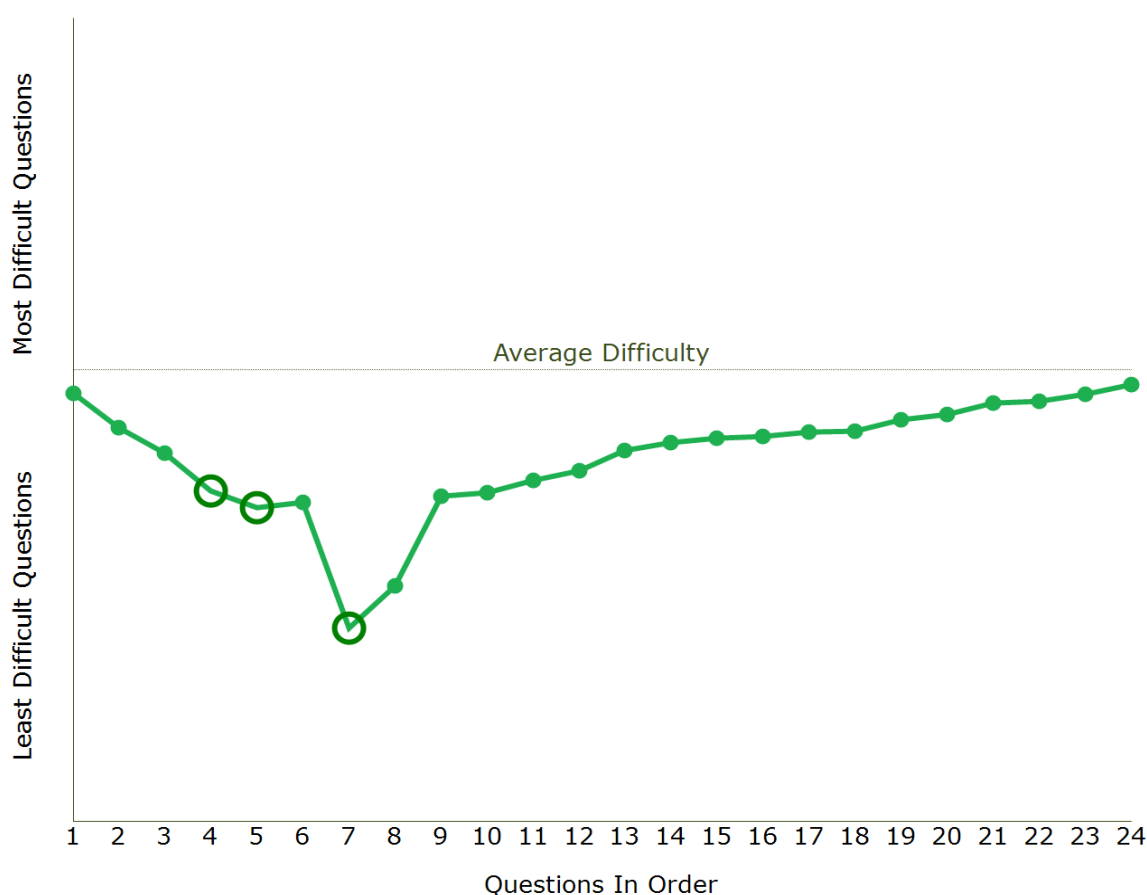

Percentile Score

| Well-below Average | Below Average | Average | Above Average | Well-above Average |

| Percentile Score **44** | Sten Score **5** | **Average** | NORM GROUP General Population |

Simone Result Description

Compared to the chosen reference group, Simone's performance on this mechanical reasoning test indicates a moderate level of mechanical reasoning ability. Individuals that score in the average range on mechanical reasoning tests are likely to perform as well as most people, when in roles that require a considerable amount of complex problem solving. Simone is likely to be fairly comfortable working with abstract concepts. When making practical decisions based on logical reasoning, Simone is likely able to evaluate the information presented and come to both sound and valid conclusions.

The norm group used to generate this report was General Population which contains the scores of 6600 General Population.

Difficulty Over Time

This assessment is adaptive, which means the difficulty of the questions asked automatically adapts to the candidate's performance. Candidates are given questions which are not too easy nor too hard. Hard questions are worth more marks than easy questions.

○ On this question, the candidate appeared to take less than 5% of the allotted time to complete the question. This usually happens because the candidate submitted their response(s) without even looking at the question, but it's possible that the candidate was extremely quick.