



Assessment Report for
Sample Candidate



Mechanical Reasoning

Aptitude

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About this Report

This report is based upon Mechanical Reasoning Aptitude, an online test of the ability to solve mechanical problems.

The results are compared against a mixed occupational group of 346 participants who have completed the assessment. The results in this report are presented on a 1 to 10 Sten scale, where 1 indicates low performance and 10 indicates high performance on the assessment. The margin of error that should be allowed before concluding that there is a difference between scores is indicated by the diamond shape.

When reading this report, please remember that it is based on the information gained from the test session only. It describes performance on this particular test, rather than performance at work or study. Despite this, research suggests that ability tests can be powerful predictors of successful performance in study and work activities requiring these abilities.

The information contained in this report is confidential and every effort should be made to ensure that it is stored in a secure place.

The information contained within this report is likely to provide a valid measurement for 12 to 24 months.

The report is based on the results of the online test that the respondent completed under unsupervised conditions. The identity of the actual respondent has not been verified by a test administrator so a supervised follow-up test is recommended for high-stake decision making.

This report was produced using Saville Consulting software systems and has been generated electronically. Saville Consulting do not guarantee that it has not been changed or edited. We can accept no liability for the consequences of the use of this report.

The application of this test is limited to Saville Consulting employees, agents of Saville Consulting and clients authorised by Saville Consulting.

Introduction to Assessment Report

This report provides feedback on the responses of Sample Candidate to the Mechanical Reasoning Aptitude test.

Mechanical Reasoning Aptitude Profile

The test measures mechanical reasoning aptitude areas that are important in the world of work for a variety of roles. The Mechanical Reasoning Aptitude Profile provides a summary of total and test taking style sub-scores across the test, as well as sub-scores on the three item types covered in relation to the comparison group: Mixed Occupational Group (IA; 2011).

Total Score

The Total Score is the sum of correct answers across the Mechanical Reasoning aptitude test. It shows how well Sample Candidate has performed overall on the test.

Test Taking Style Sub-scores

These scores indicate how quickly and accurately Sample Candidate completed the test.

Accuracy: concerns the proportion of answers that were correct.

Speed: concerns the number of questions answered.

Caution: is the difference between the Accuracy and Speed scores.

Item Type Sub-scores

These sub-scores provide information on how Sample Candidate performed on each of the three Mechanical Reasoning Aptitude item types. The pattern of results indicates relative strengths and weaknesses across the following item types:

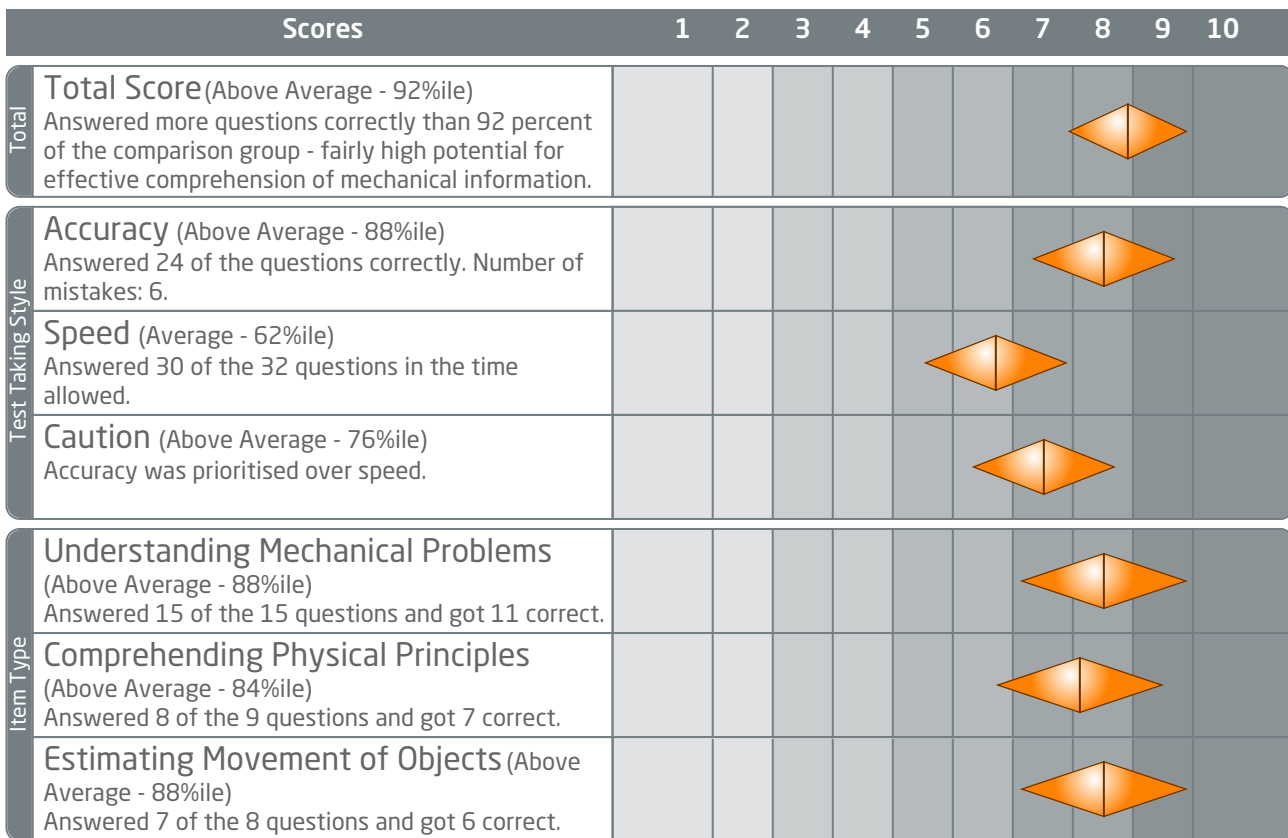
Understanding Mechanical Problems - assesses the ability to solve problems related to gears, cogs and mechanical equipment.

Comprehending Physical Principles - assesses the ability to understand the effect of physical forces, weights and structural arrangements.

Estimating Movement of Objects - assesses the ability to work out how levers, handles, arms and bars operate.

Mechanical Reasoning Aptitude Profile

The profile shows the Total Score as well as Accuracy, Speed and Caution Test Taking Style sub-scores across the test. The pattern of Item Type sub-scores indicates relative strengths and limitations. All sub-scores must be interpreted in the light of the Total Score.



Interpretation Guidelines

Comparison Group: Mixed Occupational Group (IA; 2011)

- Sten 1: higher potential than about 1% of the comparison group
- Sten 2: higher potential than about 5% of the comparison group
- Sten 3: higher potential than about 10% of the comparison group
- Sten 4: higher potential than about 25% of the comparison group
- Sten 5: higher potential than about 40% of the comparison group
- Sten 6: higher potential than about 60% of the comparison group
- Sten 7: higher potential than about 75% of the comparison group
- Sten 8: higher potential than about 90% of the comparison group
- Sten 9: higher potential than about 95% of the comparison group
- Sten 10: higher potential than about 99% of the comparison group

Improving Abilities

Some tips for improving abilities are provided below:

Mechanical

- Work with tools, equipment and machinery.
- Maintain, fix and repair technical objects.
- Read up on physical principles.
- Estimate how objects are going to move.
- Build objects from various materials.
- Look at workshop manuals.
- Make gadgets with engines from various materials.