MECHANICAL AND TECHNICAL APTITUDE

SELECT

Pat Participant

Introduction

The Assessment

Mechanical and Technical is a measure of mechanical and technical aptitude that has been developed specifically for online, unsupervised testing.

Technical aptitude tests predict the success of applicants in technical/craft apprenticeships or training. It is recommended to assess General Mental Ability such as the GCAT alongside technical aptitude to gain a more comprehensive view of a person's ability. Mechanical and Technical assesses aptitude in the following areas:

- Ability to grasp new physical principles
- Ability to practically apply technical concepts
- Ability to think about shapes and spatial relationships, and visualise objects in 3 dimensions

The Report

This report has been designed to support interview and reference checking processes. The report presents Pat's results and provides probing interview questions to help users elicit information about his preferences, past behaviour and performance.

Private and Confidential

This is a confidential assessment report. This report was requested for a specific purpose and has influenced the information and conclusions drawn. The information contained in this report should only be interpreted by a trained professional, and in the context of other relevant information (i.e., actual experience, interests, skills, and aptitudes).

Waiver

When reading this report, please remember that it is based exclusively on the information gathered from the test session only and describes performance exclusively on the Mechanical and Technical Aptitude test. The publishers, therefore, accept no responsibility for decisions made using this assessment and cannot be held responsible for the consequences of doing so.

Rating Scale

Charts in this report are described in terms of a standardised Sten score that is presented on a scale of 1 to 10 and which allows us to compare participant results. As a guide, scores of 1 to 3 are considered well below average, while scores of 5 to 6 are average, and scores of 8 to 10 are considered well above average.

Below Average · Somewhat Below Average · Average · Somewhat Above Average · Above Average

1 2 3 4 5 6 7 8 9 10

Comparison Group (Norm)

The following norm group was used to compare results against.

Assessment	Name	Size
Mechanical and Technical Aptitude	Participants	347

Profile Summary

The following elements are used to describe the results.

Percentile Score (%ile)	Is a value on a scale of 100 that reflects the percentage of people in a sample who score below the participant's score.
Range	This is a qualitative indicator that is based on the Sten score and indicates how well a participant has performed using a 5-point score band.
Sten Score (1-10)	A Sten score is a standardised measure used to compare participant results. Presented on a 10-point scale, a score of 1 indicates low performance and a score of 10 indicates high performance.

Profile Charts

Scale	%ile	Range	Below Average Average Above Average 1 2 3 4 5 6 7 8 9 10
Mechanical and Technical Aptitude	**7**	Below Average	3

Results in Detail

Mechanical and Technical Aptitude

Technical aptitude assesses the ability to grasp and practically apply new physical and mechanical principles. It consists of items which require an understanding of a range of technical principles such as motion, forces, fluids, materials, optics, electrics and technical visualisation.

- Compared to the reference group, Pat has performed particularly poorly on the technical aptitude test. Scoring below average suggests that his ability to understand mechanical and physical principles is likely to be weaker than the average person.
- While he should be able to grasp technical concepts of a day-to-day nature, he may have difficulty understanding more complex concepts and may require others to review his work.

podium

Interview Prompts

The following questions have been designed to support the interview and reference checking process for Pat by attempting to elicit information about his abilities, past performance.

Each scale has been mapped to a series of interview questions and colour coded using the following convention:

reflect below average results   *reflect average results*   *reflect above average results*

Use the interview questions as a guide to probe Pat's preferences, past behaviour and performance as well as how these may be applied to future role requirements.

Mechanical and Technical Aptitude	• Give me an example of when you used your understanding of mechanical or physical principles to make or improve something. • Tell me about a time when you learned a challenging technical concept in order to achieve an objective or solve a problem.
	Notes: