

Candidate: **Betty Penske**  
Assessment: Plumber, Pipefitter, Steamfitter (Short)  
Completed: May 10, 2024  
Prepared for: Susan Bookman  
HR Avatar Data Collection Account

## Test Results and Interview Guide

The Plumber, Pipefitter, Steamfitter (Short) assessment measures key factors related to high performance and tenure in this job. Attribute types measured vary by test, but can include cognitive ability, skills, knowledge, personality characteristics, emotional intelligence, and past behavioral history. This report includes a one page summary, followed by detailed results with an embedded interview guide. Note that these results should always be used as a part of a balanced candidate selection process that includes independent evaluation steps, such as interviews and reference checks.



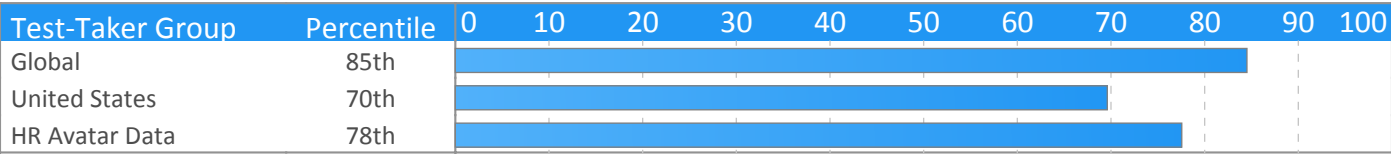
Candidate	Score	Interpretation
Betty Penske bettypenske@yourcompany.org Plumber, Pipefitter, Steamfitter (Short) May 10, 2024  Summary: High Performance Potential	85	<div><b>Key</b> ▼ Candidate Score Higher Risk Lower Risk Custom Baseline (Optional)</div>

Competency	Score	Interpretation
Cognitive Abilities (relates to job performance, problem-solving, ability to learn, etc.)		
Memory / Attention to Detail / Logic & Reasoning	94	
Skills/Knowledge (relates to immediate readiness)		
Basic Physics	86	
Circuits	79	
Gears and Pulleys	92	
Plumbing Fundamentals	88	
Spatial Reasoning	97	
Tools	71	
Personality Characteristics (relates to fit with the job/team environment)		
Adaptability / Flexibility	71	
Conscientiousness	74	
Reliability	68	
Service Orientation	92	
Behavioral History (relates to performance and turnover)		
History Survey - Performance	76	
History Survey - Tenure	97	



### Comparison

Percentile scores indicate how the candidate compares to other test-takers within various groups. The candidate scored equal to or better than the fraction of test-takers indicated by the percentile.






Detail

Candidate: Betty Penske, bettypenske@yourcompany.org  
Assessment: Plumber, Pipefitter, Steamfitter (Short)  
Authorized: May 10, 2024, by Susan Bookman, HR Avatar Data Collection Account, sue.bookman@richardson.biz  
Started: May 10, 2024, 7:51:05AM EST  
Completed: May 10, 2024, 7:51:05AM EST  
Overall Score: 85

Cognitive Abilities Detail

This section contains a list of job-related cognitive abilities that have been evaluated in a job-like context using HR Avatar's simulation technology. Studies have demonstrated that cognitive abilities are highly correlated with job performance for many jobs. Abilities also correlate with problem-solving and the ability to learn quickly.

Detail	Interview Guide
<p><b>Memory / Attention to Detail / Logic &amp; Reasoning</b> Score: 94</p>  <p><i>Description:</i> This scale reflects how successful a person is at making sense of facts through logical reasoning. High scorers understand causes and consequences by interpreting a given situation and predicting its outcomes. They are able to remember details and take action accordingly. Low scorers may burn out or become paralyzed. In more stable circumstances, high scorers may become bored, while low scorers would remain satisfied. This scale also represents thoroughness, accuracy, and being concerned for all areas involved no matter how insignificant. Individuals who demonstrate high Attention to Detail produce work that is consistently accurate and require little checking. They rarely forget schedule commitments or overlook even the smallest details.</p> <p><i>Interpretation:</i> High scores in this area correlate with superior performance for many jobs.</p> <p>High scores in memory, attention to detail and logic indicate the candidate can learn quickly, recall information promptly, solve problems, and adapt to changing conditions rapidly. This usually means the candidate can be expected to respond appropriately to challenging situations with little or no supervision.</p>	<p>Can you give me an example of where your attention to detail or your thoughtful analysis of a situation helped make a project successful?</p> <div><div>★ 1</div><div>★ 2</div><div>★ 3</div><div>★ 4</div><div>★ 5</div></div> <p>Poor example. Does not show attention to detail or analytical ability.</p> <p>Moderately relevant or impactful example.</p> <p>Strongly relevant and clear example.</p> <hr/> <p>How do you handle a situation when you've messed up due to overlooking an important detail?</p> <div><div>★ 1</div><div>★ 2</div><div>★ 3</div><div>★ 4</div><div>★ 5</div></div> <p>Is unable to handle the situation.</p> <p>Demonstrates the ability to admit to their error and quickly fix the error but didn't put preventative systems in place.</p> <p>Demonstrates the ability to admit to their error, put preventative systems in place, and quickly fix the error.</p>

Knowledge and Skills Detail

This section contains a list of job-related knowledge areas and skills that have been evaluated. Low scores in these areas often indicate that additional learning may be required before top performance can be achieved.

Continued on next page.



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Detail	Interview Guide
<div><h3>Plumbing Fundamentals</h3><p>Score: 88</p><p><b>Description:</b></p><p>Evaluates the candidate's knowledge of Plumbing principles and practices, with an aim to determine the degree of training that will be required before the candidate can be expected to become productive.</p><p><b>Interpretation:</b></p><p>Candidate should achieve superior job performance in this area with little or no training.</p><p>Scores indicate a solid working knowledge of Plumbing principles and practices. Candidate is likely ready to be productive without basic training or with immediate entry into advanced training. Likely to be able to mentor others.</p></div>	<p>Tell me about a project or task where your knowledge of Plumbing techniques was required for success. How did it go?</p> <div><div><p>★ 1</p><p>Example didn't require or demonstrate knowledge.</p></div><div><p>★ 2</p><p>Knowledge was only moderately important or moderately demonstrated in example.</p></div><div><p>★ 3</p><p>Clearly relevant application and demonstration of knowledge.</p></div><div><p>★ 4</p></div><div><p>★ 5</p></div></div>
<div><h3>Spatial Reasoning</h3><p>Score: 97</p><p><b>Description:</b></p><p>Covers the ability to envision a change in the spatial orientation of a three dimensional object.</p><p><b>Interpretation:</b></p><p>Candidate should achieve superior job performance in this area with little or no training.</p><p>The candidate's score demonstrates a high degree of spatial reasoning ability.</p></div>	<p>Can you describe a time when you had to envision something before it was actually built? How did it turn out?</p> <div><div><p>★ 1</p><p>No example.</p></div><div><p>★ 2</p><p>Weak example.</p></div><div><p>★ 3</p></div><div><p>★ 4</p></div><div><p>★ 5</p><p>Strong example.</p></div></div>
<div><h3>Tools</h3><p>Score: 71</p><p><b>Description:</b></p><p>Evaluates recognition of various types of tools and their purposes.</p><p><b>Interpretation:</b></p><p>Candidate should achieve above average job performance in this area with little or no training.</p><p>The candidate's score indicates a moderate to high degree of recognition of what various tools are used for.</p></div>	<p>Do you work with tools a lot? How did you get your knowledge of different tools?</p> <div><div><p>★ 1</p><p>Does not work with tools.</p></div><div><p>★ 2</p><p>On the job training or projects at home.</p></div><div><p>★ 3</p></div><div><p>★ 4</p></div><div><p>★ 5</p><p>Works with tools extensively.</p></div></div>

### Personality Characteristics Detail

This section contains a list of personality characteristics that are frequently associated with job performance. Remember, these are not skills and do not indicate the ability to do a job. Rather, they can be used to evaluate the candidate's fit with the general needs of the job and the organizational culture. Sample interview questions are provided to gather more information.

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Behavioral History Detail

This section evaluates answers the candidate gave concerning his or her work-related history. Studies often show that a candidate's past behavior often indicates his or her future behavior. Potential caution areas (if any) are specified in each detail section.

Detail	Interview Guide
<div><p><b>History Survey - Performance</b></p><p>Score: 76</p><div><div></div></div><p><i>Description:</i></p><p>Evaluates elements of the candidate's past work and education history to identify indications of high or low performance potential.</p><p><i>Interpretation:</i></p><p>The candidate's score indicates past behaviors that contribute to above average job performance.</p><p>Exhibits past behaviors and achievements that are likely to result in above average job performance.</p><p>The following potential performance risk areas were identified:</p><ul style="list-style-type: none"><li>Below average productivity history</li><li>Below average performance reviews</li></ul><p>Further probing is recommended for each of these items.</p></div>	<div><p>How does your work compare with your peers? Do you produce more or less? How do you know?</p><div><div></div><div></div><div></div><div></div><div></div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div><hr/><p>What kind of feedback have you received about your performance from your managers and your peers?</p><div><div></div><div></div><div></div><div></div><div></div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div></div>
<div><p><b>History Survey - Tenure</b></p><p>Score: 97</p><div><div></div></div><p><i>Description:</i></p><p>Evaluates a candidate's past employment history and related factors for indications of potentially low job tenure.</p><p><i>Interpretation:</i></p><p>The candidate's score indicates past behaviors that contribute to high job performance.</p><p>Exhibits behaviors likely to result in longer than average job tenure.</p><p>The following potential performance risk areas were identified:</p><ul style="list-style-type: none"><li>Frequent job changes</li><li>Potential long commute</li></ul><p>Further probing is recommended for each of these items.</p></div>	<div><p>Review your last few jobs with me, explaining why you left the old job and what attracted you to the new one.</p><div><div></div><div></div><div></div><div></div><div></div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div><hr/><p>What is the longest distance you have had to commute to work? What did you do during the commute? How long did you keep that job?</p><div><div></div><div></div><div></div><div></div><div></div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div></div>



Identity Confirmation Photos

The following photos of the candidate and any identification were uploaded during the assessment session.

Photo Analysis Results	
- Risk:	Medium risk of cheating based on image inconsistencies
- Percent match among processed faces	100%
- Total images processed	17
- Total images with valid faces	14 (82%)
- Total pairs of faces compared	13
- Pairs in which faces matched	13 (100%)



Pre/Post-Test Photo



ID Photo



In-Test Error Detected (No Face Detected)



In-Test Error Detected (No Face Detected)



In-Test Error Detected (No Face Detected)



In-Test Photo



In-Test Photo



In-Test Photo



In-Test Photo



Pre/Post-Test Photo



## Report Preparation Notes

- Hiring decisions should never be based on a single source of information. The most effective use of this assessment report is as a part of a multi-faceted program of candidate evaluation that includes resume review, interviews, and reference checks.
- Overall vs Percentiles Scores: The overall score reflects the success in the test, based on the mean (average) and standard deviation of the test scores. The percentile score reflects the percentage of test-takers who scored equal or below this overall score. We recommend you use the Overall Score as your primary evaluation criteria. However, percentile scores can often be useful in comparing specific candidates against one another and with a group, such as for test takers in a certain organization or within a certain account.
- Note that comparison information is calculated based on completed instances of this assessment at that time the assessment is scored. As additional instances are completed, the comparative data may change. You can always update a report to the current values by clicking on "Recalculate Percentiles" within the online results viewing pages at [www.hravatar.com](http://www.hravatar.com).
- Most competency scores are norm-based, which means that they can be interpreted in terms of their distance from the average or mean score. For all scales, a score equal to the mean receives a score of 65 and scores above and below this value are set so that a score change of 15 equals one standard deviation.
- For linear competencies, higher is better across the entire scale. For these scales a score between 65 and 80 (light green) represents 0 to 1 standard deviation above the mean and a score above 80 (dark green) represents more than one standard deviation above the mean. Similarly, a score of 50 - 65 (yellow) represents 0 to 1 standard deviation below the mean, while a score of 35 - 50 (orange) equates to 1 to 2 standard deviations below the mean, and a score below 35 represents more than 2 standard deviations below the mean.
- This assessment makes use of data from the Occupational Information Network (O\*NET), which is funded by the U.S. Federal Government - U.S. Department of Labor/Employment and Training Administration (USDOL/ETA) - as a primary source of occupational information. The O\*NET database contains information on hundreds of standardized and occupation-specific descriptors that are continually updated by ongoing research. These data are used in preparing descriptive information as well as setting relative weights between competencies used in calculating the overall score. For additional information about O\*NET, visit <http://www.onetcenter.org>.
- O\*Net Standard Occupational Code (SOC) Used: 47-2152.00
- O\*Net Version: 26.3
- Sim ID: 14925-1, Key: 0-0, Rpt: 13, Prd: 5770, Created: 2024-05-10 12:51 UTC
- UA: Mozilla/5.0 (Windows NT 6.3; Trident/7.0; Touch; rv:11.0) like Gecko



Score Calculation Detail

The following table provides a summary of how the overall score was calculated from the individual competency scores. Competency scores are calculated on a 0-100 scale by first calculating a Z statistic based on test-taker responses and then transforming the Z value to a scale with target mean and standard deviation. Certain competencies have a normal score distribution where it is best to be closest to the mean. For these competencies we modify the Z statistic by multiplying its absolute value by minus 1 for the overall score calculation. Next, to calculate the overall score, a weighted average of all modified competency Z statistics is computed and this weighted average is itself transformed to a Z statistic, which is then transformed to a score with the same target mean and standard deviation. Finally outlier scores are adjusted if they are below 0 or above 100.

Competency	Score	How applied to overall	Score Value Used	Weight (%)
Adaptability / Flexibility	71.7971	Z-Statistic	0.4531	5.8368
Basic Physics	86.0901	Z-Statistic	1.4060	5.2706
Circuits	79.3375	Z-Statistic	0.9558	5.2706
Conscientiousness	74.2070	Z-Statistic	0.6138	7.2419
Gears and Pulleys	92.5115	Z-Statistic	1.8341	5.2706
History Survey - Performance	76.0023	Z-Statistic	0.7335	7.9059
History Survey - Tenure	97.8783	Z-Statistic	2.1919	7.9059
Memory / Attention to Detail / Logic & Reasoning	94.0702	Z-Statistic	1.9380	26.0178
Plumbing Fundamentals	88.6778	Z-Statistic	1.5785	5.2706
Reliability	68.1315	Z-Statistic	0.2088	7.2419
Service Orientation	92.3183	Z-Statistic	1.8212	6.2259
Spatial Reasoning	97.7937	Z-Statistic	2.1862	5.2706
Tools	71.9990	Z-Statistic	0.4666	5.2706
Weighted Average of Competency Z-Scores:				1.3791
Mean applied to Raw Weighted Avg:				0.0000
Standard Deviation applied to Raw Weighted Avg:				1.0000
Normalized Raw Score:				1.3791
Mean:				65.0000
Standard Deviation Used:				15.0000
Final Overall Score:				85.6863



**Notes**

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