

INDUSTRY CLASSIFICATION (Q) - Railway Engineering

AGE AT INTERVIEW 35

ELECTION OR TRANSFER TO: Member

FIRST DEGREE BSc (Pass) from Sheffield Hallam Univ. in Engineering, 1990.

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS - None

EXPERIENCE PRIOR TO PRESENT POSITION

British Railways Board, 1981-1986 - Technical Apprentice; 1986-1987 - Technical Officer; 1987-1996 - Senior Technical Officer (Asst. NDT Development Engineer - Management Staff Level 1)

PRESENT POSITION

Interfleet Technology Ltd, 1996-present - Task Engineer within Mechanical Systems Group.

Tasks include:

- Class 91 gearbox oil analysis system - seized final drives leading to broken drive shafts
- Class 91 casualty analysis - data from breakdowns on ageing stock
- T69 Birmingham tram brake fading

<u>STAFF REPORTING -</u>	<u>PROFESSIONAL</u>	0
	<u>TECHNICAL</u>	0
	<u>MANUAL</u>	0
	<u>OTHER</u>	0

INTERVIEWERS' COMMENTS

A Demonstrate knowledge and understanding of engineering principles

Key elements of competence	Examples of meeting A
maintains a sound theoretical approach to technology applies a creative approach to problem solving introduction/exploitation of emerging technologies promotes innovation and advances in technology	Has demonstrated innovation and creativity in several projects, to good practical effect. NDT and Class 91 gearbox analysis are first-class examples. Use of risk analysis and on-line condition monitoring; excellent knowledge within her chosen field.

B Demonstrate practical application of engineering knowledge and expertise

Key elements of competence	Examples of meeting B
takes initiative to identify potential projects and opportunities participates in or specifies research, design and development plans and implements solutions evaluates solutions identifies what has been learnt from the activity	Iterative approach with clients shows a sound understanding of their problems and how they may be solved. Commercial awareness and results of success / failure demonstrated at interview.

C Leadership and management

Key elements of competence	Examples of meeting C
experience of effective project planning and	Although not leading a large team, demonstrated an

<p>implementation</p> <p>manages and plans budgets, tasks, people and/or other resources</p> <p>ensures team members have appropriate skills</p> <p>contribution to continuous improvement via quality management</p>	<p>undeniable ability to motivate, plan and monitor groups both within and outside her organisation.</p> <p>Has effective approach to obtaining appropriate team help within company's matrix organisation.</p>
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D Communication and inter-personal skills

Key elements of competence	Examples of meeting D
<p>demonstrates oral communication skills</p> <p>displays written communication skills</p> <p>has the ability to present and discuss ideas and plans</p> <p>ability in team building and negotiating activities</p>	<p>Excellent communicator; speaks with commitment and enthusiasm. Written work clear and concise.</p> <p>Commercially aware and has to "sell" new projects to customers.</p>

E Professional conduct

Key elements of competence	Examples of meeting E
<p>compliance with codes and rules of conduct of the profession</p> <p>application and management of safe systems of work</p> <p>familiar with relevant legislation especially health, safety, risk and the environment</p> <p>displays a commitment to undertake continuing professional development, including a personal Development Action Plan</p> <p>demonstrates involvement with the IMechE, other professional engineering Institutions, schools, colleges or local other community activities</p>	<p>Clear about the engineer's responsibilities; good knowledge of legislative and other controls.</p> <p>BR and Interfleet projects - environmentally aware. COSHH - oil disposal.</p> <p>Has HNC in Business Information Technology.</p> <p>Microsoft Developers' course.</p>

COMPETENCES AWARDED

A	B	C	D	E
4	3	3	3	3
3	3	3	3	3

PANEL RECOMMENDATION

Elect to Member

MEMBERSHIP COMMITTEE DECISION

Elect to Member