

INDUSTRY CLASSIFICATION (V) - Automobile Industry

AGE AT INTERVIEW 26

ELECTION OR TRANSFER TO: Member (from MPDS)

FIRST DEGREE 2:1 Hons. from University of Hertfordshire in Mech. Eng. (Vehicle Option), 1996

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS - None

EXPERIENCE PRIOR TO PRESENT POSITION

Caterham Cars 1994-1995 - Undergraduate Engineer
MIRA 1996-1997 - Graduate Engineer

PRESENT POSITION

MIRA 1997-present - Project Engineer in Vehicle Development Engineering. Main areas are:

- Vehicle durability and reliability testing
- Vehicle benchmarking
- Performance testing
- Accelerated corrosion testing
- Road load data acquisition and analysis
- Vehicle abuse testing
- Proving ground correlation

STAFF REPORTING - **PROFESSIONAL** 0
TECHNICAL 2
MANUAL 6
OTHER 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	Sound approach backed by structured training in the use of technology.
applies a creative approach to problem solving	Extensive development specific to automotive industry, although technology may be a mix of current applied to new products and specialist applied to new testing.
introduction/exploitation of emerging technologies	Personal rôle/contribution difficult to ascertain generally.
promotes innovation and advances in technology	

B Demonstrate practical application of engineering knowledge and expertise

Key elements of competence	Examples of meeting B
<p>takes initiative to identify potential projects and opportunities</p> <p>participates in or specifies research, design and development</p> <p>plans and implements solutions</p> <p>evaluates solutions</p> <p>identifies what has been learnt from the activity</p>	<p>As a project engineer, has gained a lot of variety in projects undertaken.</p> <p>Although initiation of projects is not evident, the planning and implementation of solutions of problems related to vehicle testing has been experienced.</p>

C Leadership and management

Key elements of competence	Examples of meeting C
<p>experience of effective project planning and 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>Broad experience of project management has been gained, despite age. This has included budgetary, people and resources (mostly in-house), although the financial level is limited.</p> <p>Quality management awareness limited.</p>

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>Clear, well-written reports under MPDS.</p> <p>Relationship with team and clients a strength, alongside an ability to communicate plans effectively and efficiently.</p> <p>Team building skills limited but ability to negotiate with peers good.</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>Awareness within the profession.</p> <p>Limited demonstration of these issues.</p> <p>Clearly demonstrates self-development through MPDS which hopefully will be maintained in the future.</p> <p>No involvement with IMechE but related activities in schools and graduate training.</p>

COMPETENCES AWARDED

A	B	C	D	E
2	3	3	3	2
2	3	3	3	3

PANEL RECOMMENDATION

Transfer to Member

MEMBERSHIP COMMITTEE DECISION

Transfer to Member