

INDUSTRY CLASSIFICATION (T) - Oil Industry & Offshore & Topside Engineering

AGE AT INTERVIEW 36

ELECTION OR TRANSFER TO: Member (from MPDS)

FIRST DEGREE 1st Hons. from Northumbria University Newcastle in Mech. Eng., 1998

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS - None

EXPERIENCE PRIOR TO PRESENT POSITION

H.M. Forces, 1983-1993 - Corporal
 Ford Components Ltd., 1993-1996 – Shell Training Enterprise Programme (STEP)
 Rolls Royce & Associates Ltd., 1996-1997 – Structured Industrial Placement

PRESENT POSITION

Conoco Ltd., 1998-present – Mechanical Engineer, Inspection Services. Duties include:

- Pressure vessel design and analysis
- Pipework design and analysis
- Reliability engineering – Risk-Based Management – Life Cycle Costing approach
- Developing and managing budgets

STAFF REPORTING - PROFESSIONAL 3
TECHNICAL 10
MANUAL 5
OTHER 1

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	Competent stress and 3D designs to e.g. ASME VIII Div. 1. Used thermographic sampling for creep analysis on heater. Proactive in writing new inspection procedures.

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	Developed a refinery-wide piping inspection workflow process; defined rôles of key personnel. Interfaces with metallurgists to assess life expectancy of plant. Incorporates legislation and Conoco standards into new directives. Has replaced knowledge lost to the company through retirements, etc.

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>Managed budget of £250K involving the reporting of corrosion data.</p> <p>Member of team ensuring that equipment spares comply with QA/QC requirements.</p> <p>Coordinated team on damage assessment following major incident.</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>Good oral presentation.</p> <p>Well-written MPDS and final reports.</p> <p>Organised a 1-day in-house seminar for new pressure equipment directive.</p> <p>Has to negotiate with other divisions within the refinery.</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>All his inspections, etc. must comply with Pressure Systems Directive.</p> <p>Worked to ensure safe start-up and operation of plant following major incident in 2001.</p> <p>Is company's Industrial Schools Liaison Officer.</p> <p>Is chairing a schools' 6th Form Conference this year.</p> <p>Course at National Centre for Tribology.</p>

COMPETENCES AWARDED

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

PANEL RECOMMENDATION

Transfer to Member

MEMBERSHIP COMMITTEE DECISION

Transfer to Member