

# MARTIN WILLIAMSON B.Sc.(Mech.)Eng. CMRP MLA MLT

## WORK EXPERIENCE PROFILE

- Reliability Engineering
- Lubrication consulting and training
- Industrial plant lubrication programme/scheduling design
- Lubrication "best practice" procedure development
- Contamination control design and practice
- Oil analysis and contamination monitoring
- Flushing and roll-cleanliness practices
- ISO Standards development
- Product technical support and management
- Condition monitoring programme management

## Industry Knowledge & Commercial Awareness:

- Automotive
- Power generation industry
- Steel manufacturing
- Drilling & Mining
- Off-shore & land-based oil fields
- Foil and plating lines
- Mobile equipment
- Pulp & Paper
- Water Utilities
- Food & Beverage, inc. oil seeds, starches and sweeteners, and corn milling etc

## Qualifications:

1989 – B.Sc.(Mech.)Eng. – University of Cape Town

1993 – Pr.Eng. (Professional Status) - Engineering Council of South Africa

2004 – CMRP (Certified Maintenance & Reliability Professional) – SMRP (Society of Maintenance & Reliability Professionals)

2005 – MLA1 (Machinery Lubricant Analyst) – ICML (International Council for Machinery Lubrication)

2005 – MLT1 (Machinery Lubricant Technician) – ICML (International Council for Machinery Lubrication)

2007 – BOSIET/HUET for off-shore work.

## EMPLOYMENT HISTORY:

### August 2005 - present:

**Director, KEW Engineering Limited**, Chester, UK,.

Set up as my own company to sub-contract to Noria Corp and others offering consulting and training in Reliability and Maintenance Best Practices. Other services include business development support in the areas of marketing and public speaking.

### Jan 2001 – July 2005:

**General Manager, Noria UK Limited**, Chester, UK, a subsidiary of Noria Corporation, Tulsa, Oklahoma. Internationally renowned oil analysis and lubrication consulting and training corporation.

#### Job Description:

- To manage the daily operation and growth of the Noria UK operation.
- To provide a senior technical consulting and training role.

#### Major achievements:

- Assisting in the growth strategy of Noria globally.
- Building the brand awareness of Noria within the UK and other territories.
- Creating a growing awareness of lubrication issues in Maintenance in the industry.
- Assisting with development of training materials for Noria's training courses.
- Assisting with development of dynamic procedure-based lubrication practices and scheduling.
- Writing of technical articles for Noria's publications and other industry journals.
- Presentation of papers at various international conferences.
- Working on consultation and training projects with blue chip clients such as:
  - Shell
  - Cargill/Cerestar
  - Thames Water
  - The Environment Agency
  - BP
  - ITS Caleb Brett
  - Goodyear
  - Qatar Gas/RAS Gas
  - Canadian Nexen (Yemen)
  - Wearthcheck North Wales
  - Finnings Laboratories
  - Dow Corning Molykote

#### Other Activities:

- External roles include involvement in two ISO working groups in oil analysis and lubrication, and previously acting as an Advisor with the British Institute of Non Destructive Testing (BINDT).
- Assisting with the growth of the International Council for Machinery Lubrication within the European arena including assisting on seeking corporate sponsorship.

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**June 1998 – December 2000:**

**Product Manager – Oil Analysis, Rockwell Automation Entek**, Chester, UK.

Condition Monitoring business involved in software and hardware.

**Job Description:**

- To provide product management on the oil analysis division.
- To support on sales and client training activities.

**Major achievements:**

- Being invited to present papers on oil analysis and its future at premiere conferences.
- Having papers published in several leading journals and magazines.
- Being invited to stand on the UK ISO committee for oil analysis.
- Regular presentation of oil analysis and lubrication classes internationally including the Middle East, India and the US.

**Nov 1994 - May 1998:**

**Senior Technical Support Engineer, Pall Europe Limited**, Portsmouth, UK.

International manufacturer of filtration and separation products.

**Job Description:**

To provide a product specialist role in the Technical Support.

**Major achievements:**

- Managing improvement and development of the monitoring products.
- Presenting product and technology training classes in India, China, Japan and the USA.

**Jan 1990 - Feb 1994:**

**Mechanical Engineer, Sishen Iron Ore Mine**, ISCOR Ltd. South Africa.

Open cast mine – 3<sup>rd</sup> largest in the world.

**Main job functions:**

- Provide a mechanical consultation role to the production staff.
- Project management including initiation and planning through to commissioning.
- Perform feasibility studies on new engineering concepts.

**Major Achievements:**

- Management of a predictive maintenance programme utilising vibration and oil analysis to extend the unit life of the mining equipment. This further included introducing a Tribology programme to audit the life of components subjected to extremes of wear.
- Upgrading and modifications to conveyors, pump units, feeders, and crushers to improve performance and reduce plant downtime.
- Upgrading and modifications to the mine's water reticulation network to improve the de-watering rate in the pit areas and distribution to the local communities.

**Contact:**

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