

MARTIN WILLIAMSON B.Sc.(Mech.)Eng. CMRP MLAIII MLTI

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-off cleanliness practices
- ISO Standards development
- Product technical support and management
- Condition monitoring programme management

Industry Knowledge & Commercial Awareness:

- Oil & Gas
- Power generation industry
- Steel manufacturing
- Drilling & Mining
- Off-shore, FPSO & land-based oil fields
- Foil and plating lines
- Mobile equipment
- Pulp & Paper
- Water Utilities
- Automotive
- 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 – Not maintained)

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

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

2012 – MLE (Machine Lubrication Expert) - ICML (International Council for Machinery Lubrication)

2016 – MLAIII (Machine Lubrication Analyst) - ICML (International Council for Machinery Lubrication)

EMPLOYMENT HISTORY:

1st 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.

Job Description:

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

Major achievements:

- Building the business to a globally recognised company offering excellence in training and consulting.
- Delivering solutions to address the lubrication issues in maintenance in the industry.
- Development of training materials.
- Development of a dynamic, procedures-based lubrication practices and scheduling software tool.
- 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
 - BP Angola
 - Syngenta
 - Marathon Oil
 - Debswana Mines
 - Noria Corp

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 global arena including assisting on seeking corporate sponsorship and creation of new questions and standards.

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1st January 2001 – 31st July 2005:

General Manager, Noria UK Limited, Chester, UK, 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.
- Development of training materials for Noria's training courses.
- 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)
 - Wearcheck 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.

1st June 1998 – 31st 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.

1st November 1994 – 31st 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.

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1st January 1990 – 28th February 1994:

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

Open cast mine – 3rd 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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