



WEAR CONTROL SPECIALISTS

WWW.FILTERFOCUS.CO.ZA

Filter Focus – Scope of business

At Filter Focus we combine expertise in the fields of Filtration, Lubrication and Tribology, thereby offering our clients comprehensive and measurable improvements across their operations.

Our aim:

Our aim is to reduce operating expenditure and increase equipment reliability and life expectancy, while diligently considering the environment. Maintenance has always been seen as a cost centre, where in fact it is a profit centre, where big savings are achieved through lubrication excellence. We strive for higher plant availability and total asset protection.

What does Filter Focus offer?

- 1) Proprietary sub-micron filtration systems for all types of hydrocarbons
 - Design, Manufacture, Supply, Installation, Repairs and Maintenance
- 2) Oil lubricating systems for Crushing, Milling and Hydraulic applications
 - Design, Supply, Installation, Repairs and Maintenance
- 3) Open gear lubrication
 - Reduces friction, gear wear, vibration and power consumption.
- 4) Centralised and progressive grease lubricating systems
 - Design, Supply, Installation, Repairs and Maintenance
 - ATS electrolube single and multi-point electro-mechanical auto greasing
- 5) Total filtration and protection solutions for generators and mobile equipment
 - Design, Manufacture, Supply, Installation, Repairs and Maintenance
- 6) Vacuum dehydration for transformer and lube oils
 - Design, Manufacture, Supply, Installation, Repairs and Maintenance
- 7) Emission reduction solutions for generators and mobile equipment
 - Design, Manufacture, Supply, Installation, Repairs and Maintenance
- 8) Bulk diesel filtration, water removal and fuel lubricity conditioning
 - Design, Manufacture, Supply, Installation, Repairs and Maintenance
- 9) Automated water released systems for diesel or lubricating oil applications
 - Design, Manufacture, Supply, Installation, Repairs and Maintenance

- 10) Contamination and Wear control for Crushing, Milling, Gearbox and Hydraulic applications
 - Design, Manufacture, Supply, Installation, Repairs and Maintenance
- 11) Distribution agents for Lubrication Engineers, the worlds finest range of Oils and Lubricants
 - Full range of ISO grade oils and greases for all possible applications
- 12) Wire Rope lubrication and corrosion protection
 - Design, Supply, Installation, Repairs and Maintenance
- 13) Oil recovery and conditioning plants for all types of ISO grade oils
 - Design, Manufacture, Supply, Installation, Repairs and Maintenance
- 14) Thermo-graphic services
 - Analysis, fault-finding and reporting
- 15) Air filtration, ducting, screens, bag filters, pocket and multi-pocket panel filters
 - Design, Supply, Installation, Repairs and Maintenance
- 16) Sub-micron breathers for all types of applications
 - Design, Supply, Installation, Repairs and Maintenance
- 17) Vimpi oil lubrication gear pumps for all flow and pressure applications
 - Supply, Installation, Repairs and Maintenance
 - Supply of mechanical seals, gear and centrifugal pumps
- 18) Exa gear pumps- High quality scavenger pumps for all applications
 - Voltages available 12V, 24V, 380V, 525V
 - Manufactured to US military and Aviation specifications
 - Rated for continuous duty application
- 19) PLC and process automation
 - Design, Supply, Installation, Repairs and Maintenance
- 20) Supply Hydraulic hoses and Fittings of all hydraulic applications
 - Supply, Installation, Repairs and Maintenance
- 21) Seal and Hose Saver
 - Ultimate protection for hydraulic cylinders, installed and operational within 15 minutes
 - Eliminates contamination and extends cylinder life by a minimum factor of 3
 - A breakthrough in Preventative Maintenance tools
- 22) OilSafe / LabelSafe
 - Best practice oil storage and handling products.
 - Hydrocarbon identification products, colour coding of lubrication points
 - Clear grease guns to eliminate cross contamination

Services offered by Filter Focus

- 1) Oil sampling, Elemental spectrographic analysis and reporting
 - Laboratory services and follow-up of highlighted recommendations
- 2) Plant wide condition monitoring with internet based report programming
- 3) Oil Analysis and preventative maintenance training for on-site staff
 - See attached appendix for topic breakdown
- 4) Consultation, problem solving and Root Cause Analysis for Milling, Crushing and Hydraulic applications
- 5) Vacuum dehydration and filtration and conditioning for all lubricating oils
- 6) Vacuum dehydration and dissolved gas removal for Transformer oils
- 7) Auditing of onsite oil distribution and handling; training, implementation and best practices
- 8) Auditing of general maintenance, problem solving, implementation and best practices
- 9) Problem solving for all lubrication associated applications
- 10) Servicing and repairs of gear and centrifugal pumps
- 11) On-site training (Please see training topics on below page)

Training Topics we provide

(To be carried out on site, with ongoing internet based refresher training)

Understanding the value of Tribology and the benefits available to industry

Lubrication

Principals of lubrication

Types of lubrication

Mineral and synthetic oils

Classification of oils and greases

Lubricant additives

Extending machine life through improved lubrication qualities

Improved machine performance through lubrication

Lubricant storage, handling and distribution techniques – best practices

Contamination

Extending lubricant and machine life through sub micron filtration

The negative effects contamination has on machinery and lubricants

Effects of water contamination in bearings and machinery

Contamination control

Wear control

Fluid filtration

Basic principals of filtration

Filtration media types

Effective filtration techniques and standards

The importance of achieving and maintaining fluid cleanliness

Oil Analysis

Oil sampling techniques – best practices

Why the importance of taking representative oil samples

Laboratory tests performed

Spectrometric elemental analysis

How to read and interpret an oil analysis report

Creating value from your oil analysis program

Root Cause Failure Analysis

RCA goals

Identifying chronic failure

Process of analysing data

Assessment and corrective action

Fault Finding

Basics of Infrared Thermography

Basics of Vibration monitoring

Plant Maintenance

Predictive maintenance through oil analysis

Preventative maintenance through oil analysis