



COMPANY PROFILE

*First Time in Pakistan*

# LUBRICATION RELIABILITY SERVICES

by UPTIME  
TECHNOLOGIES



## *Lubricants*

are the "Life Blood" of our critical machinery. Ensuring healthy lubricant, leads to ensure long term reliability of these critical machines. Lubrication Reliability is the foundation stone of an effective asset management program.



**UPTIME**  
TECHNOLOGIES  
[www.uptime techno.com](http://www.uptime techno.com)



# ***LUBRICATION RELIABILITY LEADS TO,***



Minimize Production losses



Reduce Maintenance Cost



Maximizes Machinery Reliability



Extends machine & lubricant service life



Reduces Lubricant Consumption



Maximizes Productivity & Profitability

## ***Our Lubrication Reliability Services include:***

1. Expert Advisory Services
2. Oil Filtration Rental Services
3. Oil Filtration Products supplies
4. Oil Analysis Services
5. Lubricant Contamination Control
6. Machinery Lubrication Trainings
7. Lubrication Best Practices Implementation
8. Oil Filter Analysis for Problem Solving
9. Online Oil Health Monitoring
10. Lubrication Software Implementation
11. Grease Reliability Testing - (FIRST TIME IN PAKISTAN)





## 1. Expert Advisory Services

- Investigate lubrication problems, identifying root causes and provide trouble-shooting support
- Lubrication Benchmark Assessment:  
To identify gaps in lubrication management needing improvements to bring the site to world class standards. Develop and provide guidance in implementing short and long term improvement plan

Send your Enquiries at:

[www.uptimetechno.com/enquiry](http://www.uptimetechno.com/enquiry)



## 2. Oil Filtration Rental Services

Cost effective Oil Reclamation including:

- Varnish removal
- Water Removal
- Particle Removal
- Portable Particle Counter
- Water Tester

### Varnish Removal Services

- Varnish in oil, acts like Cholesterol in blood stream
- Our HYPRO SVR1200 Varnish Removal skid is capable of removing both "Soluble Insoluble" forms of Varnish from Oil thereby eliminating Varnish Related Problems  
As the Oil gets cleaner, it will clean the system
- Clean system leads to reliable operation
- No need to replace your oil just because of Varnish contamination. Engage our SVR1200 skid and save your Oil Cost, disposal cost, machine downtime, improve reliability/productivity, safely and with minimized risks



Varnish on Turbine Bearing



SVR1200 Soluble Varnish Removal Skid

## Water Removal Services

- The Vacuum Dehydrator - The HYPRO's "Work Horse" removes all three forms of Water - Free, Emulsified and Dissolved
- No need to replace your oil just because of water contamination. Now you could get the water out of your oil by engaging our "Vacuum Dehydrator" thereby save your Oil Cost, disposal cost, machine downtime, improve reliability/productivity, safely and with minimized risks



VUD1 Vacuum Dehydrator Water Removal Skid



FC Portable Filter Cart for Particle and Water removal

## Particle Removal Services

- Particles and Water are the two most harmful oil contaminants
- Keeping your Oils **Clean** and **Dry**, you could eliminate majority of your lubrication problems
- Our Particle filtration skids are equipped with Online Particle Counter and capable of removing water and particles upto 1 micron size with 99.99% efficiency



## Portable Particle Counter

- We do provide Onsite Particle counting for quick mitigation of early warning signs
- Assurance of target cleanliness ISO 4406 and NAS 1638 levels as per OEM recommendations leads to reliable operation



Portable Particle Counter



SVR1200 Skid



VUD1



CFU



### 3. Oil Filtration Products Supplies

We are Authorized Representative of HYPRO Filtration USA and EPT Canada. We do provide **>500,000 filter element upgrades for >320 filter manufacturers**, in addition to filtration skids for particle, water, varnish removal and many more.



FPL, Panel Unit



CFU Compact Filtration Unit



### 4. Oil Analysis Services

#### Healthy Oil = Healthy Machine

- An effective oil analysis program ensures reliable machine operation
- We help our customers to establish an effective oil analysis program
- We conduct Oil analysis in dedicated high standard labs and provide expert interpretation and health assessment / recommendations for cost effective solutions
- Lubrication Base Line Oil Condition Assessment

### 5. Lubricant Contamination Control

- We help our customers to achieve "Total System Cleanliness"

#### Our focus on:

- Contamination Exclusion
- Contamination Removal
- Breathers, filter element upgrades, kidney loop filtration etc









Oil Sensor

## 9. Online Oil Health Monitoring

- 7 million readings are better than 4
- Most of critical machines get quarterly oil analysis (4 samples/year) with lot of guess work, missing opportunities to prevent failures
- A Proactive Online Oil health monitoring system capable of "detecting the emerging problems early" and prompting mitigation action by capturing "7 Million" snapshots of oil and machine health per year, thereby avoiding any chances of undetected failures
- It's time to move away from Reactive towards Proactive approach

## 10. Lubrication Management Software Is a comprehensive tool to manage all the key areas of machinery lubrication, including but not limited to:

- The hierarchy of Assets defined by area, system or module
- A database of specific maintenance & lubrication points on all assets
- Best practice procedures for every lubrication PM task
- A flexible scheduling tool for managing the PM tasks
- Records of completed lubrication PM tasks and feedback comments
- Lubrication KPIs for measuring success and continuous improvement
- Managing lubricants and spares consumption.
- Managing lubricant health through Oil analysis reports and trending the critical oil parameters.
- Managing Color coding of lubricants across the plant/facility to avoid cross contamination.
- And many more...



## 11. Grease Reliability Testing - (FIRST TIME IN PAKISTAN)

- Introducing the world's most advanced grease testing method, meeting the requirements of ASTM D7718 and ASTM D7918 standards for grease sampling and analysis.
- Grease Thief® is the only method that allows to test the consistency, wear, contamination, oxidation of a lubricant and count the wear particles, using a grease sample weighing 1gram only. The grease sample is always taken from a critical and representative location by the patented sampling tools.
- The one-gram sampler allows for non-contact preparation of samples in the laboratory, and the sampling process itself ensures full repeatability by elimination of the risk of cross-contamination of samples at the test stand.
- Applicable for all types of grease lubricated machines including wind turbines, robotics, plain bearings, electric motors and gears.

### Available Grease Test Packages:

- Basic Grease Testing - To identify grease health assurance for extended use
- Advanced Grease Testing - To conduct detailed grease analysis to identify root causes

### Advantages of the Grease Thief® analysis method:

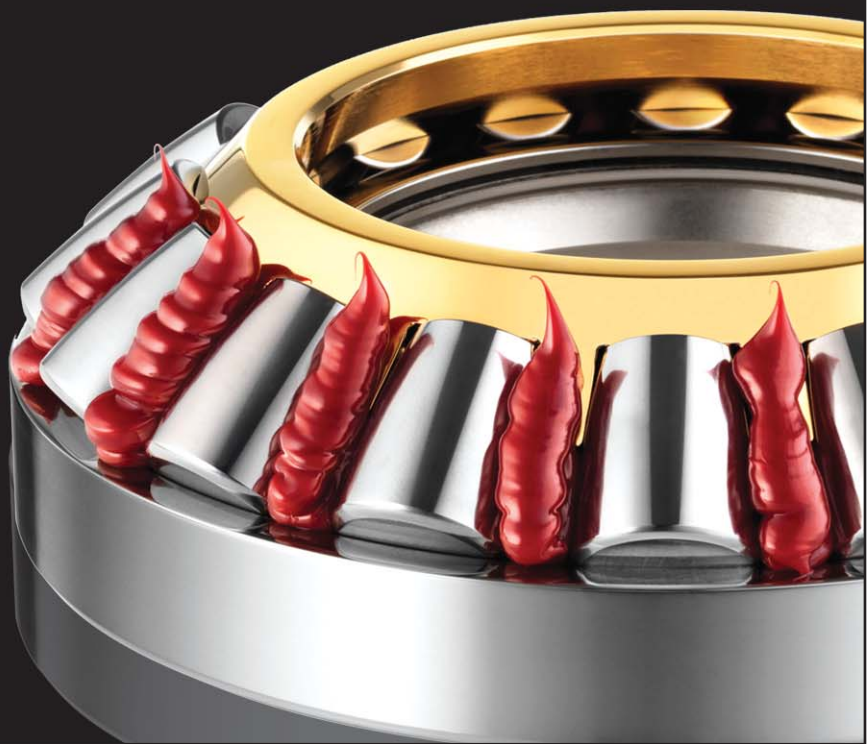
- Up to nine laboratory tests can be performed with just 1 gram of lubricant.
- Time savings due to the efficient and effective methodology of lubricant testing, allowing for efficient use of a small sample for all tests.
- Non-invasive method of sampling, allowing for a continuous stream of samples for analysis without the need for equipment downtime.



Grease Thief Sampling Kits

**[1] ASTM D7718** – Standard Practice for Obtaining In-Service Samples of Lubricating Grease.

**[2] ASTM D7918** – Standard Test Method for Measurement of Flow Properties and Evaluation of Wear, Contaminants, and Oxidative Properties of Lubricating Grease by Die Extrusion Method and Preparation.





# OUR PRINCIPALS



## **HYPRO Filtration USA**

One of the largest manufacturers of Oil filtration products, based in Indiana, USA.

- Filter Element Upgrades
- Varnish Prevention & Removal
- Phosphate Ester Fluid Solution
- Fluid Conditioning Equipment
- Duplex Filter Assemblies
- High Pressure Filters Low Pressure Filters
- Fluid Analysis & Monitoring
- Reservoir Accessories



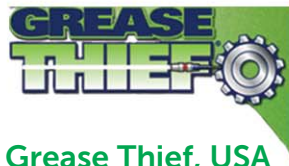
## **EPT Canada**

The experts that resolved oil Varnish problems globally, since past 26 years with >600 installed oil varnish removal SVR skids. EPT offers world-class laboratory testing that provides a complete picture of your oil condition. EPT's lab is set up as a starting point for users to understand the current state of their fluids and the risk of failure. The other key role of EPT's lab is to support existing customers to document results and demonstrate success.



## **Fluid Intelligence, Finland**

The Fluid Intelligence Connected Oil Solutions are the pioneers that changed the way in which lubricants are used today in heavy industry and logistics. Maximized operational reliability, reduce costs, & halve the amount of waste oil generated by connecting oil to real-time oil monitoring & utilizing a proactive maintenance model. At the same time, we change the oil from cost to a long-term asset.



## **Grease Thief, USA**

The Grease Thief sampling & analysis system provides a reliable and cost-effective grease analysis solution.

# Our Group Clientele

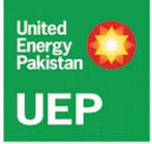


engro polymer & chemicals



Pakistan Petroleum Limited

byco



شركة تَمِيَّة تَفْط عَمَّان  
Petroleum Development Oman



VALE



اسمنت ينبع  
Yanbu Cement







**MOHAMMAD  
NASEER UDDIN**  
*MLE, MLA-II, CRL, CMRP*  
**Technical Director**

Spent 25+ years in Oil & Gas, Petrochemicals and Refining in Reliability, Maintenance, Condition Monitoring, Oil Analysis and Plant Commissioning in the Middle East (Oman and Qatar).

Since 2018, Technical Director for Uptime Technologies. Served 14 years at Shell / Petroleum Development Oman (PDO) as Senior Reliability Engineer and 5 years at Qatar Petroleum as Reliability Supervisor. Implemented practical measures for Lubrication management, Failure avoidance, defect elimination through Best practices & contamination control.

Achieved MLE (Machinery Lubrication Engineer ICML), Certified Reliability Leader (CRL), Certified Maintenance & Reliability Professional (CMRP) from SMRP and MLA-II (Machine Lubrication Analyst Level 2) from ICML International Council for Machine Lubrication, USA.

He was the SME (Subject Matter Expert) for Machinery Lubrication for 14 years for Shell / PDO for >10K rotating machines. Also implemented innovative Online Oil Health monitoring based on Artificial Intelligence and Machine learning that improved machinery reliability and increased Uptime performance of critical machines.

Resolved numerous long term reliability problems for plant assets. He also served as RAM modelling expert for Oil & Gas Projects. He achieved numerous awards on resolving various Reliability & Lubrication Problems.

Has got vast experience of conducting trainings internationally on Maintenance, Reliability and Lubrication Management ISO18436-4.

**Complete Profile:**  
<https://www.linkedin.com/in/naseercmrp1/>

**“**  
**Testimonials**

The course gave us insight about the importance of lubrication system as we realized that this is the most neglected area in industrial sector there is a lot more potential to save millions just by adopting best practice taught to us.

*Technical Manager-Oil Refinery*

It was really a very nice knowledge sharing course. Learned a lot from this course, it will enhance my vision to start working as MLA-II analyst.

*Condition Monitoring Engineer -  
Power plant*

Are you looking to extend your oil and machine life?



**UPTIME**  
TECHNOLOGIES

**Contact:** Office # 1504, 15th Floor Ceasar's Tower  
Shahrah-e-Faisal Karachi, 74400 Pakistan

**Office:** 021-32800214

**Cell:** 0331 2899185, 0300 2315668, 0332 4447718

**WhatsApp:** +968 92930482

**Email:** [info@uptimetechno.com](mailto:info@uptimetechno.com)

**[www.uptimetechno.com](http://www.uptimetechno.com)**

Send your Enquiries at:  
**[www.uptimetechno.com/enquiry](http://www.uptimetechno.com/enquiry)**