PRESERVE LUBRICANTS AND PROTECT EQUIPMENT

A comprehensive Oil Conditioning Programme to monitor lubricant condition, preserve lubricant quality and protect vital equipment.
Without lubrication, equipment grinds to a halt. Your business could follow soon after.

Lubricant failure is commonly cited as contributing to 75% of system failures. Few businesses can afford engine or gearbox rebuilds, the loss of productivity they cause and the reputation damage that follows.
You concentrate on your business while IPU concentrates on your oil.

No business manager wants to worry about something as mundane as lubricant quality.

Lubricants exist to preserve your engines and gearboxes not to absorb management time. You just need 100% confidence that your equipment is protected and can continue to serve your business.

But at the same time you know that lubricants degrade over time. As their effectiveness declines the reliability of your equipment is threatened. If only there was a programme to extend the life of your lubricants and monitor their condition.

There is.

IPU’s Oil Conditioning Programme handles everything from testing oil quality to extending oil life. With over 25 years of experience in the field our OilCheck, OilAlert and OilLife products have been developed to reduce your costs, improve equipment reliability and extend service intervals.

Our mission is to make sure that your time is free to concentrate on the things that keep your organisation running. Leave your oil to IPU.
Extending oil life and monitoring lubricant condition does more than reduce oil consumption costs. IPU’s Oil Conditioning Programmes boost your operating profits by reducing service intervals and increasing productivity.
Active vehicles are profitable vehicles.

**IPU’s oil conditioning solutions give you the confidence to run your vehicles hard for maximum productivity.**

Extending lubricant life is only the start of IPU’s service to you.

Many businesses are reluctant to push lubricants beyond their typical lifespan. Under normal circumstances there is no way to know whether the lubricant is still effective.

IPU’s oil monitoring systems change that. They reassure our customers by telling them the precise condition of lubricants and the vehicles that use them. Wherever the vehicle is in the world its owner has reliable information about the effectiveness of its oils.

Armed with this real-time data operators can keep a vehicle running until the monitoring system tells them a service is necessary. Until then it can be left to work productively and profitably, extracting maximum value from its capital cost.

An hour spent in a service bay is an hour’s work lost. IPU reclaims that hour for you.

For more details on IPU’s software products, please visit www.ipu.co.uk/oil
IPU’s four-part Oil Conditioning Programme presents the simplest and most economical route to efficient lubrication and reliable equipment.
The only one-stop shop for oil conditioning.

A quick search through Google results shows that there are plenty of companies who will test your oil, filter it better or use software to analyse its condition. But if you’re looking for a supplier who will manage everything as part of an all-encompassing, professional Oil Conditioning Programme there’s only one choice: IPU.

We know that your ultimate goal is simple: reliable equipment. You want somebody else to handle oil conditioning so your time is free for your real job. That somebody is IPU.

IPU is the only business partner you need for a full Oil Conditioning Programme:

**Test**
IPU’s OilCheck options suit small companies who need an out-sourced service as well as large, remote facilities that need a totally independent capability.

**Extend**
IPU’s OilLife bypass filter system extends oil life by a factor of four through a combination of advanced chemical filtration and evaporation.

**Monitor**
IPU’s OilAlert oil condition systems send real-time analysis of oil and engine condition to the operator or to a remote maintenance centre.

**Analyse**
IPU’s suite of software programmes provide comprehensive analysis of oil and engine performance, identifying trends and informing your preventative maintenance activities.

With a single supplier to deal with, IPU assumes total responsibility for all aspects of your oil conditioning, simplifies your back-office administration and gives your operations staff a single point of contact.

That's why IPU is Number 1 in Oil Conditioning.
Efficient analysis lets your oil speak.
Laboratory testing is the foundation of IPU's Oil Conditioning Programme.

Accurate testing underpins your preventative maintenance activities by giving you detailed information about the condition of your lubricants and the engines they serve.

IPU's range of OilCheck testing options suits organisations from small companies who need an out-sourced service to large, remote facilities that need a totally independent capability.

**OilCheck Oil Testing Service**
IPU's oil testing service provides the simplest route to accurate fluid analysis: take a sample, put it in the pre-addressed bag and view the results within 24 hours of receipt.

The frequency and cost of the testing service is tailored to your business’ exact needs, providing the information you need at a price you can afford.

**OilCheck Oil Testing Kit**
IPU’s OilCheck Oil Testing Kit lets mobile service technicians produce accurate summaries of oil condition. By connecting the sensor to a laptop, the Oil Testing Kit’s simple software tells the technician if there are problems that warrant an oil change or more detailed laboratory investigation.

**OilCheck On-Site Analyser**
IPU’s On-Site Analyser puts laboratory testing into your own maintenance depot. It is a self-contained laboratory in a box.

- If you operate a large fleet of vehicles or need frequent tests the On-Site Analyser reduces your operating costs by eliminating testing charges.
- If you maintain vehicles or ships that are only accessible for short periods the On-Site Analyser gives you the fast answers you need to fix problems before the vehicle heads out again.
- If you work on ships or in remote mines with no viable access to a lab the On-Site Analyser provides the support you need.

By reducing the size of the testing equipment and automating the testing process, the On-Site Analyser makes testing a task that your own maintenance staff can conduct on your own premises.

Not only is the process simple, it’s quick too. Your engineer puts the oil sample into the On-Site Analyser, answers a few questions about the oil type, oil age and engine and sees the results within ten minutes.

For more background on OilCheck options, please visit www.ipu.co.uk/oilcheck
OILLIFE REDUCES COSTS AND DOWNTIME BY EXTENDING OIL LIFE BY FOUR TIMES

- A patented diffuser plate uses thin-film evaporation to remove liquid contaminants and gasses.
- Protein-rich cotton retains acids and removes abrasive particles, soot, liquids and sludge to the 1μm level.
Extended oil life generates extensive savings.

The unique technology in IPU’s OilLife bypass filters keep oil working four times longer than standard filters.

This produces an obvious and dramatic reduction in oil consumption costs but the full extent of OilLife’s savings are more subtle.

By preserving an oil’s lubricating properties OilLife extends a vehicle’s service intervals. A dump truck with a 500 hour service interval can easily run for 2,000 hours without a maintenance stop. A generator with a 1,000-hour service interval can run for 4,000 hours with nothing more than fuel refills.

OilLife opens the door to dramatic productivity improvements. By driving operating hours up and operating costs down, a dump truck’s cost per load can be significantly reduced - Terex Distribution is seeing oil costs fall by 66% on its TR100 trucks.

Any hard-working mechanical part can benefit from OilLife filters: engines, gearboxes, hydraulic systems, axles – the list could go on and on. OilLife units are available to suit engines between 150 and 1,000hp with oil capacities from 15 to 200l (or greater when mounted in parallel).

In conjunction with IPU’s OilAlert oil condition monitoring, you can extend the life of your oil and relax in the safe and sure knowledge that your essential equipment is perfectly lubricated.

For more details on OilLife, please visit www.ipu.co.uk/oillife
OILALERT PROVIDES REAL-TIME REPORTING OF OIL AND ENGINE CONDITION

OilAlert preserves essential equipment.
Real-time monitoring of oil condition avoids costly and disruptive system failures.

IPU’s OilAlert packages provide real-time monitoring of lubricant quality in vehicles, ships, gensets, turbines and many other types of mechanical device.

Unlike off-site lubricant testing, OilAlert sensors constantly monitor the condition of your oils. If an engine is running, its oil is being checked. With some OilAlert packages the results can even be broadcast back to your service depot in real-time and alarms raised automatically if problems are detected.

Armed with a full report on the condition of an engine’s oil, businesses can safely avoid the downtime and expense of oil-change services until the oil says it’s necessary. OilAlert lets your oil speak.

OilAlert works for single pieces of equipment at a local site or, through OilAlert Live, hundreds of machines worldwide. And OilAlert goes beyond engines, protecting gearboxes, axles and hydraulic systems too.

OilAlert Lite
OilAlert Lite is the foundation of the range. Consisting of the sensor and its associated cabling, it sends data on oil and engine condition to your own engine management system.

OilAlert Plus
The Plus package adds the OilAlert Display, a simple traffic light unit that gives an operator or manager a simple visual indication of oil and engine condition.

OilAlert Live
The Live package adds a datalogger to record data from several sensors and a comms package to send the results to a service centre for trend analysis and alert processing.

OilAlert Pro
The Pro package incorporates IPU’s OilLife system to filter contaminants and water out of your oil and extend its life by a factor of four.

For more details on OilAlert, please visit www.ipu.co.uk/oilalert
IPU SOFTWARE AVOIDS DISRUPTION BY PREDICTING FUTURE PROBLEMS

Knowing the future lets you plan for it.
E/LOG and O/LAB extend the capabilities of IPU’s testing systems by revealing the trends that lie hidden in your test data.

They identify necessary repairs before a critical breakdown happens and allow maintenance to be scheduled at a time that suits you and your business.

O/LAB
O/LAB records the oil analysis data produced from IPU’s OilCheck On-Site Analyser or any other third-party analysis system. It graphically demonstrates trends in properties such as an oil’s wear metal content. This information warns managers about major events such as piston and bearing failures or less dramatic conditions such as the need for an oil change.

It is easy to see how O/LAB’s predictive powers can prevent a disaster. What is more subtle is the way it saves money and disruption by stopping scheduled activities. O/LAB lets you plan servicing according to need rather than a theoretical schedule.

E/LOG
E/LOG captures engine performance information from any sensor using the standard J1939 communication system. Data can be transmitted live or via a periodic GPRS connection. As well as engine performance information, E/LOG can track location (and speed) via an on-board GPS.

O/LAB and E/LOG have been built as online services to give them the flexibility people need when working in the field. They are accessible to any device with a modern web browser: Windows computers, Macs, smartphones and tablets.

For more details on IPU’s software products, please visit www.ipu.co.uk/oil