

Spectroline

Leak detection kits for industrial applications

coil cleaners

leak detection & monitoring

recovery machines

vacuum pumps

weighing platforms

acid treatment

fragrances & odour control

flame retardants

tools & accessories

KEY BENEFITS

Finds leaks undetectable by other methods

Easy to use

Extremely accurate

Ideal for preventative maintenance

On guard – 24 hours a day

Concentrated – 1ml per 1 litre of system oil (Oil Glo 44)

Versatile: Hydraulics, gaskets, seals, circulating oil systems

advanced
engineering

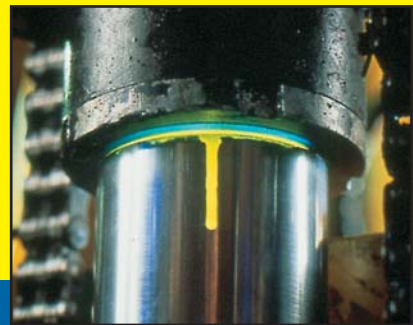
Why is leak detection important?



It is best practice to prevent and minimise leaks. Effective leak detection and the repairs made as a result, ensure that systems run at optimum efficiency. This helps to prevent potential damage to machinery and associated breakdowns. Effective leak detection and prevention can therefore save you money by helping to prevent these breakdowns, which

can affect production and minimise the need for top up oil. Another associated benefit of effective leak detection is that it can help to prevent the health and safety and environmental issues caused by leaking oil.

The Spectroline UV leak detection system



Spectroline fluorescent leak detection, using Oil-Glo 44, is a safe, versatile system that has been used for pin-pointing all problem oil leaks in industrial applications for over 45 years.

Another important feature is its high concentration: only 1ml of Oil-Glo 44 needs to be added to each litre of host fluid, making it extremely economical to use.

Oil-Glo is safe, reliable and can be used to dose virtually any oil-based fluid, including hydraulic oils, mineral oils, synthetic oils, petrol and diesel. Oil-Glo 44 is therefore effective for checking for leaks in hydraulic systems, gaskets and seals, offset printing presses, injection-moulding machines, fuel tanks, engine lubrication systems, in fact virtually anything which utilises oil-based fluids.

What's more, by using Oil-Glo 44 during testing, and as part of a regular maintenance program, small leaks can be identified and repaired before they ever become a serious problem.

Directions for use

- 1. A small amount of fluorescent dye is added to the system and allowed to circulate. In the event of a leak, the dye escapes with the system's oil or fluid and remains at all leak sites.**

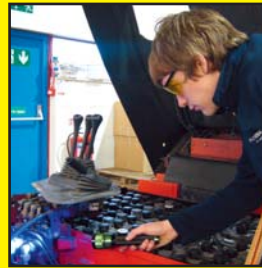


Fluorescent dye is added to the system



The system is run allowing the dye to circulate

2. When the system is scanned with either the Spectroline ultraviolet light or UV/blue inspection lamp, the dye will fluoresce a brilliant yellow-green colour to pinpoint the exact source of every leak.



The system is scanned with either a Spectroline ultraviolet or UV/blue light inspection lamp.



Every leak will fluoresce a brilliant yellow-green, pinpointing the exact source of every leak.

3. To check that the repairs have been successful, the residual dye is removed from leak sites with dye cleaner/remover (supplied). The sites are then re-inspected with the lamp. No glow means that all leaks have been repaired, it is that easy! The dye can remain safely in the system until the fluid is spent or changed.



Once repaired, residual dye is removed from leak sites.



The site is then re-inspected with the lamp. No glow means that all leaks were repaired successfully.

Dosing the system

Product	Treats	Dilution Ratio	UV Glow Colour
Oil-Glo 22	Mineral Oil	2ml per 1 litre of oil	Green
Oil-Glo 44	Any Type of Oil-Based Fluid	1ml per 1 litre of oil	Green
WD-801	Water	1ml per 7.5 litres of water	Blue
WD-802	Water	1ml per 7.5 litres of water	Green
WD-803	Water	1ml per 7.5 litres of water	Blue/Green

Leak detection dyes

Oil-Glo 22

Oil-Glo 22 is a fluid specific UV leak detection dye for hydraulic oil.



Oil-Glo 44

Oil-Glo 44 has all the benefits of Oil-Glo 22, but can be used to dose virtually any oil-based fluid, including hydraulic oils, mineral oils, synthetic oils, petrol and diesel. Oil-Glo 44 is therefore effective for checking for leaks in hydraulic systems, gaskets and seals, offset printing presses, injection-moulding machines, fuel tanks, engine lubrication systems, in fact virtually anything which utilises oil-based fluid.

It also has a higher concentration than Oil-Glo 22, meaning only 1ml of Oil-Glo 44 needs to be added to each litre of host fluid, making it extremely economical to use.



WD-801/802/803

Spectroline water dye quickly pinpoints the exact source of all water leaks. It glows brightly under a high-intensity Spectroline UV or UV blue lamp, which shows the exact source of all leaks, even when evaporated or covered in condensation. Spectroline Water Dye is ideal for both new and existing equipment. It is effective on all types of water systems, both static and circulating, such as boilers, heaters, pumps, sprinkler systems, storage tanks, pipes and associated fittings.

Spectroline Water dye can also be used for other applications including flow-rate measuring, invisible marking and the testing of seams, welds, seals and fittings.



Scanning the system

UV Lamp	Inspection	Bulb Range	Battery Type	Equivalent Lamp Power	Weight	Operating Time
Optimax Pro	6.1 Meters	LED	Rechargeable	100W	454 gm	Over 6 hours
Optimax Jr	61cm	LED	3 x AA	50W	135 gm	Over 4 hours

Optimax Pro

The Optimax Pro is ideal for medium and larger systems and utilises super high intensity LED technology which is ten times brighter than regular LED lights. It is completely cordless and uses a rechargeable battery which provides over 6 hours operation between charges. Whilst being far more convenient and sturdy than previous 100W lamps, it is just as powerful, with an inspection range of up to 6.1 meters. The Optimax is quite simply the definitive UV inspection lamp currently available on the market.



Optimax Jr

The ultra portable Optimax Jr inspection lamp features state of the art LED technology with a 100,000 hour bulb life. It is an incredibly sturdy lamp which utilises AA batteries that are simple to source and replace. The Optimax Jr provides over 4 hours of peak performance per battery change and offers the choice of continuous or momentary illumination.



Complete starter kits

Optimax Pro Complete Starter Kit

Introducing the Spectroline Optimax Pro complete UV leak detection starter kit which comes with everything you need to find leaks in oil based systems.

The complete starter kit comes with:-

- Optimax UV LED lamp
- UVS-40 Spectacles
- Carry case & UV dye cleaner/remover
 - or A 480ml bottle of oil-based fluid dye (OPK-100HY/FB)
 - or A 480ml bottle of water-based fluid dye (OPK-100WD/FB)



Optimax Jr Complete Starter Kit

The Spectroline Optimax Junior complete UV leak detection starter kit comes with everything you need to get started at a break through price.

The complete starter kit comes with:-

- Optimax Jr UV LED lamp
- UVS-40 Spectacles
- Carry case & UV dye cleaner/remover
 - or A 480ml bottle of oil-based fluid dye (OPK-50HY44)
 - or A 480ml bottle of water-based fluid dye (OPK-50WD802)



Distributors:
Advanced Engineering Limited,
 Guardian House,
 Stroudley Road, Basingstoke, Hampshire, RG24 8NL.
 Tel: +44 (0)1256 460300 Fax: +44 (0)1256 462266
 email: sales@advancedengineering.co.uk
 web: www.advancedengineering.co.uk

