

UV LEAK
DETECTION DYE



Oil-Glo® OGYG-16

**Find leaks
you can't see.**

Oil-Glo® OGYG-16 is a highly concentrated yellow-green fluorescent dye for detecting leaks in synthetic PAO oils and mineral oil closed-loop systems.

Add a small dose to the oil and allow it to circulate. Under UV or violet light, even small leaks fluoresce a bright yellow-green.

Engineered to remain safely in the system without altering the viscosity, lubricity or overall performance of the host fluid or system components.

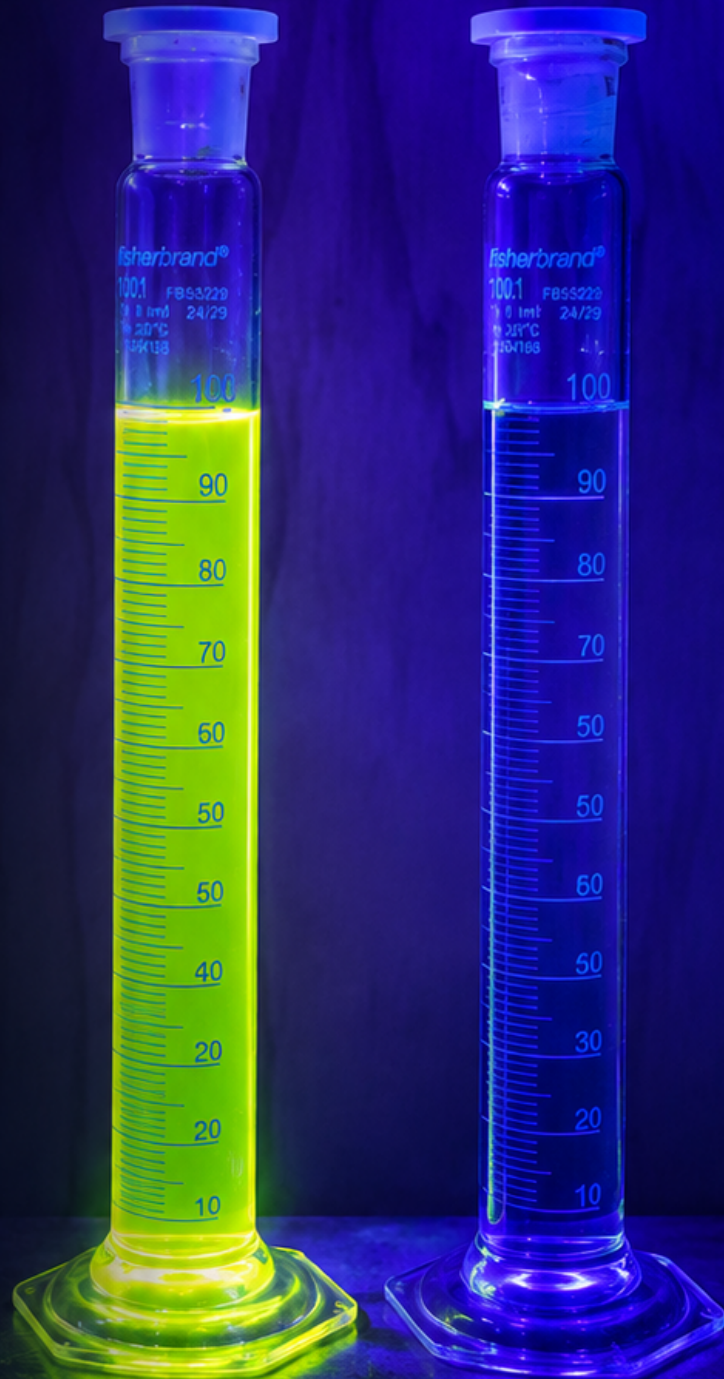


Image retouched with AI

How it works

Oil-Glo® is added to the system at the recommended dose, then circulated through the equipment to distribute the dye throughout the oil. The system is then inspected with a UV or violet light, causing any escaping dyed oil to fluoresce brightly and making leaks easy to locate.

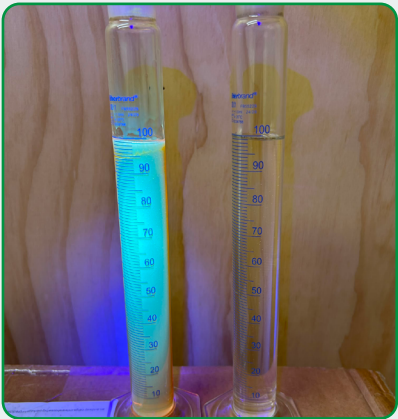
The dyed product – same oil, three lighting conditions

Trial conducted 19 Aug 2026 using light-coloured **hydraulic oil at 0.1 ml per 100 ml (1 ml/L)**, the recommended dose for this fluid type. Engine oil typically requires around 3× this dose and performs well unless the oil is heavily contaminated (black in colour).



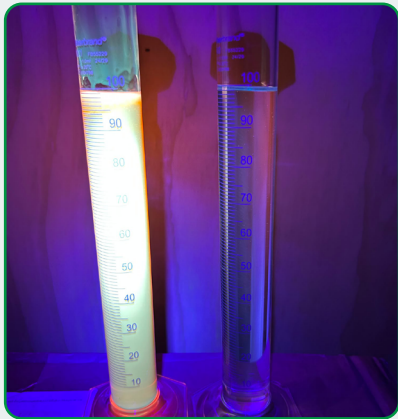
Daylight, no UV

Dyed (left) vs undyed (right). A light amber tint is the only visible difference.



Workshop light + UV

The dyed sample fluoresces clearly even with the workshop lights on.



Dark room + UV

In a darkened area, the dyed oil glows a bright yellow-green.

Dose Rates

Fluid type	Dilution ratio	% dye to fluid	Per litre
Light-coloured hydraulic fluid	30 ml per 30 L	0.10%	1.0 ml
Dark / intensely coloured hydraulic and lubrication fluids	30 ml per 15 L	0.20%	2.0 ml
Compressor oil	30 ml per 15 L	0.20%	2.0 ml
Engine oil	30 ml per 11 L	0.26%	2.7 ml
Gearbox oil	30 ml per 4 L	0.78%	7.5 ml
Fuel (petrol or diesel)	30 ml per 45–68 L	0.04–0.07%	0.4–0.7 ml

Dilution ratios are a guideline only and can be increased or decreased to suit the fluorescent response required and the ambient lighting. To check, draw a small sample of the host fluid, add the suggested dose and inspect it under a UV lamp.

Daylight, no UV

UV Light

Oil-Glo® OGYG-16

Make invisible leaks impossible to miss

Interested in trying Oil-Glo®? Talk to the ILS team – we can help with the product and point you in the right direction for a suitable UV torch. The torch used in this trial cost around \$30.

Add Dye

Circulate

Inspect