

Labino[®] LabinOil kit

UV Engine Leak Detection



LEAK DETECTION | FAST | EASY

A complete leak detection test kit with fluorescent dye and UV-torch.

LabinOil dye is a fluorescent dye and should be used with petroleum based lubricants. The fluorescence in the LabinOil is an effect that will be activated by irradiating with UV-light. Labino UVG2 Spotlight Torch is a powerful LED light source used together with LabinOil.

The kit includes six (6) 25 ml bottles of LabinOil dye and one (1) UVG2 Spotlight LED torch as well as accessories and a carrying case.

You do not need to clean the engine before or after the engine leakage test, nor do you have to empty the engine on oil. No special training is required when using the LabinOil kit.

Read the LabinOil safety data sheet, enclosed with the dye before using LabinOil.



Application Instructions – Step by step

1. Make all parts of engine visible, remove obstacles for better visible inspection (covers or heat shield plates).
2. Make sure that the engine is free from fluorescent dye by using Labino UVG2. If dye is present, clean test object with suitable solvent.
3. Dye the present engine oil with approx. 0.5% of LabinOil. A 25 ml package is ok for a vehicle with 4-5 litre of engine oil.
4. Run engine on idle for one minute for dye to mix with engine oil. If leakage is too severe to run, the engine oil will need to be dyed separately before starting the engine.
5. Check that engine oil is dyed correct by pulling the engine dipstick and check for yellow fluorescent with your UVG2 torch. Now we are sure that the dye is applied to engine oil and the UVG2 will help you find possible leakage.



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TECHNICAL SPECIFICATION

UV Flash Light Specification

UV source: UV A LED
Intensity: >13.000 $\mu\text{w}/\text{cm}^2$ at 38 cm (15 inches)
Wave length: 365 nm
Distribution angle (beam): Spotlight
Running time: approx. 3 hrs

Dyestuff Specification

Main use category: Dyestuff for industrial applications.
Chemical characterization: Dyestuff in organic solution
Physical state: Liquid
Color: Dark yellow
Florescent color: Yellow/Green
Oil and petrol soluble / water insoluble
Packing: 30ml (single dose) or 1 liter bottle

Classification of the substance mixture – Hazards identification

Skin Irrit. 2
Eye Irrit. 2
Aquatic Chronic. 3

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36/38
R52/53

Protection Eyewear

UV blocking eyewear: Blocks 99,9% of all harmful UV radiation