

# AD-2000

## Fluorescent Additive to Detect Leakage - Oil Based

AD-2000 is a fluorescent oily additive indicated for the detection of leaks in seals of hydraulic systems and combustion engines. It is a high-performance product used in very low concentrations, which makes it possible to detect leaks with the aid of ultraviolet light, without causing any damage to the system or changing the properties of the lubricant to which it is added.

AD-2000 was specially formulated to be diluted in very low concentration and high dyeing power in mineral, semi-synthetic and synthetic oils for hydraulic systems and combustion engines. Its high power of fluorescence under UVA light, combined with its high capillarity, makes it quick to see small leaks in engine joints and seals in hydraulic systems, as well as any crack or defect in the material body of any type, metallic or non-metallic.

The great advantage of the AD-2000 is its detection power and its chemical inertia, which allows the test to be carried out with its dilution directly in the oil of the system to be inspected, without causing any damage to the engine or the system or changing the properties of the lubricant oil used. AD-2000 fluoresces when excited under 365nm UVA light, emitting intense yellow-orange visible light. This type of inspection is optimized when performed in a darkened environment.

### BENEFITS

- Fast visualization due to its intense fluorescent color;
- Accurate indication of the leak at the defect site;
- Doesn't affect hydraulic system components or engines;
- It doesn't change the physicochemical properties of the lubricant.



### APPLICATIONS

Detection of defects such as cracks, holes and leaks in the body of engines, joints and gaskets in sealed hydraulic systems in general.

#### Ideal for:

- Engine blocks
- Engine test bench
- Hydraulic systems
- Agricultural machinery
- Construction machines
- Automotive engines

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### PROPERTIES

<b>Appearance</b>	Liquid
<b>Color in visible light</b>	Red
<b>Color in UV light (diluted)</b>	Fluorescent yellow
<b>Flash point</b>	> 93°C
<b>Density (g/ml)</b>	0,855

### USE RECOMMENDATIONS

<b>NDT Method</b>	Leak Detection in Hydraulic Systems and Motors
<b>Usage Temperature</b>	5 to 52°C
<b>Solubility</b>	Mineral, semi-synthetic and synthetic oils
<b>Concentration</b>	0,05 to 0,5%
<b>Required Equipment</b>	Ultraviolet light at 365nm
<b>Storage Temperature</b>	10 to 30°C

### INSTRUCTIONS FOR USE

Dilute AD-2000 additive directly in the oil of the system to be inspected. The recommended concentration of use is 0.05% to 0.5% in the oil.

In case of assembled closed systems, add the product and start the system/engine, so that there is a homogeneity of the additive in the oil. Let the product act for 5 to 10 minutes before performing the visual inspection.

The inspection must be carried out in a darkened environment with the aid of a 365nm UV light.

During the inspection, with the system/motor running, go through all points of interest with the lamp, looking for stains or oil drips. Where there is a leak like this, the intense yellow-orange color will be seen.

Best results are achieved with one of our lamps EV6500 or the UV Torch.

### HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the product Safety Data Sheet, which is available at [www.magnaflux.com.br](http://www.magnaflux.com.br).

### PACKAGING

5 L can  
200 L Drum