

OIL-GLO® ULTRA BLUE

PRODUCT DESCRIPTION

OIL-GLO® ULTRA BLUE is a high-quality, blue-fluorescing leak detection dye. It is composed of fluorescent fluorophores synthesized in natural and synthetic oils.

FIELD APPLICATION

Leak detection for synthetic and petroleum-based fluid systems. Ideal for use in diagnostic and maintenance programs for hydraulic systems, lubrication systems, turbines, air compressors, injection-molding machines, oil-cooled chillers and any other enclosed circulatory system containing oil-based fluids.

OEM APPLICATION

For manufacturing applications contact Spectronics for assistance in determining the most economical dye dosage for the specific oil used in your product.

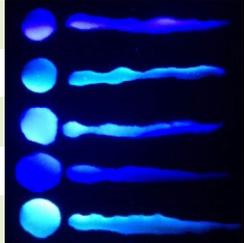
COMPATIBILITY

OIL-GLO® dyes do not adversely impact metallic and the non-metallic materials that are commonly found within hydraulic or lubrication systems. Other than color and fluorescence, the presence of the dye, even when used in a strong concentration, does not significantly impact the operating characteristics of the oil in which it is used.

FEATURES

- Will not separate from host system fluid at any filtration level
- Laboratory tested to ISO specifications to exceed cleanliness levels for new hydraulic fluids.
- NSF Certified to meet food-grade processing requirements for HTX2 and HX-2 classifications.
- Allows for inspection of an entire system under virtually all operating conditions to pinpoint the exact source of even the smallest leak.
- Available in 16 oz. (473ml) bottle, 32 oz. (946ml) bottle, 1 gallon (3.8L) containers and larger sizes upon request.
- Appears clear, will not discolor host fluid.



APPLICATION	SUGGESTED DILUTION RATIO	% DYE TO SYSTEM FLUID	SHOWN UNDER 365 nm UV LIGHT
Light Hydraulic Fluid	1 oz. (30ml) per 8 gals (30.3 L) hydraulic fluid	0.10%	
Dark Hydraulic Fluid	1 oz. (30ml) per 4 gals (15.1L) hydraulic fluid	0.20%	
Compressor Oil	1 oz. (30ml) per 4 gals (15.1 L) compressor oil	0.20%	
Engine Oil	1 oz. per 3 gals (11.4 L) engine oil	0.26%	
Gearbox Oil	1 oz. per 1 gal. (3.8 L) gearbox oil	0.78%	

Technical Data Sheet



OIL-GLO[®] ULTRA BLUE

OIL-GLO[®] ULTRA BLUE is an additive with a dilution range between 0.10 – 0.78% of the system fluid. The percentage of dye to the host fluid generally does not exceed 1%. As such, the below characteristics of the dye will not impact the inherent qualities of the system oil.

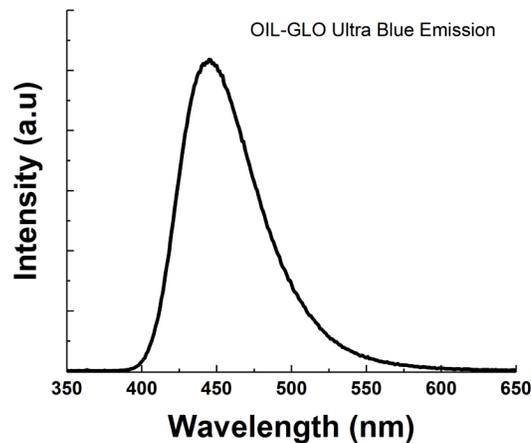
PERFORMANCE DATA	METHOD	OIL-GLO [®] ULTRA BLUE
Fluorescent Color	Under 365nm UV light	Blue
Visible Color	Without UV Light	Amber
Recommended Inspection Lamp Wavelength		365nm UV
NSF Certification	NSF 164077	HTX2, HX-2
Viscosity @40°C (cSt)	ASTM D445	14.14*
Viscosity @100°C (cSt)	ASTM D445	3.55*
Viscosity Index	ASTM 2270	136*
Total Acid Number (Mg KOH/g)	ASTM D974	<0.01*
Moisture	ASTM D6304	<100 ppm*
Density	USP 36/NF 31 Supplement 2	0.969 g/ml*
Flashpoint	ASTM D93-12	125C*

**Values shown are measured base on the concentrated, undiluted dye and are not intended to be specifications. As such, the impact on oils to be treated will be negligible due to the final oil: dye dilution ratio. These values are typical and may vary slightly between batches.*

DISPOSAL

The addition of an OIL-GLO[®] ULTRA product will not change whatever methods are used for the disposal of the oil in which it is used.

EMISSION PROFILE



Emission spectra at 365nm excitation