

## ZYGLO®

# ZYGLO® ZL-2C

## Level 2 Post Emulsifiable Fluorescent Penetrant

### General Description

A medium sensitivity penetrant (Level 2), ZL-2C fluorescent post emulsifiable penetrant is designed to be removed from the part surface by emulsifiers or solvent. Both Method B lipophilic emulsifier ZE-4E and Method D hydrophilic emulsifier ZR-10E can be used to remove surface ZL-2C penetrant. Developers can be ZP-4D dry powder developer, ZP-14A water soluble developer in a non-agitated tank, ZP-5B water suspendible developer in an agitated tank, or ZP-9F non-aqueous developer. With a UV-A light source, indications will appear as a bright green-yellow fluorescence. ZL-2C has a high flash point, and is designed to be used in open dip tanks.

ZL-2C is listed on the QPL SAE AMS 2644 Qualified Product List and is approved for use by Pratt & Whitney

### Benefits

- Bright indications
- Minimal background fluorescence
- High flash point

### Specification compliance

- AECL
- AMS 2644
- ASME
- ASTM E1417
- ASTM E165
- MIL-STD-2132
- MIL-STD-271
- NAVSEA T9074-AS-GIB-010/271
- Pratt & Whitney PMC 4352
- QPL SAE AMS 2644



### Typical Properties (not specification)

<b>Flash Point</b>	> 200°F / 93°C
<b>Density</b>	0.90 g/cc / 7.51 lb/gal (926 g/L)
<b>Viscosity (at 100°F / 38°C)</b>	6.62 cs
<b>NPE-Free</b>	Yes

### USE RECOMMENDATIONS

<b>NDT Method</b>	Penetrant Testing Fluorescent
<b>Method(s)</b>	B/C/D
<b>Type</b>	1
<b>Sensitivity Level</b>	2, Medium sensitivity
<b>Usage Temperature</b>	40 to 125°F / 5 to 52°C
<b>Storage Temperature</b>	50 to 86°F/10 to 30°C
<b>Coverage</b>	1 gal will cover approximately 1,000 ft² / 93 m²

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### APPLICATIONS

Defect location: open to surface

Ideal for:

- Castings
- Forgings
- Extrusions
- Welds
- Rough surface finish

**Defect examples:** Cracks, Laps, Seams, Delamination  
**Porosity**

### PACKAGING

20 Liters	F02033
205 Liters	F02008

### 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.in](http://www.magnaflux.in)

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