

ZL-15B

Level ½ Water Washable Fluorescent Penetrant

ZL-15B water washable penetrant is a low-sensitivity penetrant that features excellent washability. It is used to find open surface flaws such as cracks and porosity in seams, laps, cold shuts, and laminations on castings, forgings, extrusions, and parts with rough surfaces. It can be developed with ZP-4B dry powder developer, with ZP-5B water suspendible developer in an agitated tank or with ZP-9F non-aqueous developer. With a UV-A light source, indications will appear as a bright green-yellow fluorescence.

ZL-15B is listed on the QPL SAE AMS 2644 Qualified Product List.



BENEFITS

- Excellent washability

APPLICATIONS

Defect location: open to surface

Ideal for:

- Castings
- Forgings
- Rough surface finish
- Seams
- Laps
- Cold shuts
- Laminations

Defect examples:

- Cracks
- Seams
- Cold shuts
- Delamination
- Porosity

SPECIFICATION COMPLIANCE

- AECL
- AMS 2644
- ASME
- ASTM E1417
- ASTM E165
- Boeing BAC 5423 PSD 6-46 or 8-4
- Boeing PS-21202
- MIL-STD-2132
- MIL-STD-271
- NAVSEA T9074-AS-GIB-010/271
- QPL SAE AMS 2644

PROPERTIES

Flash Point	> 200°F / 93°C
Density	0.85 g/cc / 7.06 lb/gal
Viscosity (at 100°F / 38°C)	5.50 cs
NPE-Free	Yes

USE RECOMMENDATIONS

NDT Method	Penetrant Testing, Fluorescent
Type	1
Method(s)	A / C
Sensitivity Level	½, very low sensitivity
Required Equipment	UV light source
Usage Temperature	40 to 125°F / 5 to 52°C
Storage Temperature	50 to 86°F / 10 to 30°C

PACKAGING

5 gal / 18.9 L pail	01-3159-40
20 gal / 75.7 L drum	01-3159-30
55 gal / 208 L drum	01-3159-45



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