ZYGLO®

ZYGLO® ZL-56

Level 4 Water Washable Flourescent Penetrant

General Description

An ultra-high sensitivity penetrant (Level 4), ZL-56 fluorescent water washable penetrant is safe for use on alloys in engineering and aerospace use, including aluminum, steel, nickel and titanium. ZL-56 is designed for non-porous and highly machined components. Developers recommended are ZP-4D powder, ZP-9F non-aqueous, SKD-S2 nonaqueous and ZP-5B water Suspendable.

ZL-56 is listed on the QPL SAE AMS 2644 Qualified Product List.ZL-56 is listed on the QPL SAE AMS 2644 Qualified Product List.

Benefits

- Bright, high-contrast indications
- Ideal for critical part inspection

APPLICATIONS

Defect location: open to surface

Ideal for:

- Critical components
- High-stress parts
- Smooth, machined surface finish
- Non-porous surfaces

Defect examples:

- Finished surface cracks
- Scratches

USE RECOMMENDATIONS

NDT Method	Penetrant Testing Fluorescent
Method(s)	A/C
Type	1
Sensitivity Level	4, Ultra High sensitivity
Usage Temperature	40 to 125°F / 5 to 52°C
Storage Temperature	50 to 86°F/ 5 to 52°C
Coverage	1 gal will cover approximately 1,000 ft^2 / 93 m^2

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

Typical Properties (not specification)

Flash Point	> 200°F / 93°C
Density	1.01 g/cc / 8.40 lb/gal
Viscosity (at 100°F / 38°C)	16.85 cs
NPE-Free	Yes

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PACKAGING

5 Gal	F02019
205 Liters	F02006

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

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MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 · ISO 14001
ISO 45001