

**Procedures:** MT-2F IRIS PROCEDURE#5  
**Code:** Customer evaluation (crack check)  
**Construction code** ASME VIII Div 1 appendix#6

**Job / P.O. #:** \_\_\_\_\_ **IRISNDT #:** 154916 **Date:** 11-May-12  
**Client:** HUSKY OIL  
**Location:** SYLVAN LAKE GAS PLANT LSD:1-21-38-2 W5M  
**Item Inspected:** Internal inspection welds for Butane Bullet A#84682, Equipment#66005063

**Surface Condition:** Painted ☐ Sandblasted ☐ Machined ☐ As Cast ☐ As Forged ☒ Weldment ☒ Other ☐

**Material:** P1 **Thickness:** vendor verify **Heat Treatment:** N/A

**Magnetizing Equipment:** Yoke ☒ Coil ☐ Prod ☐ **Bench:** Headshot ☐ Central Conductor ☐ Coil ☐  
**IRISNDT #:** 40169 **Mfg:** Contour Probe B300 **Calibration Date:** 23-Apr-12

**Blacklight:** ☒ **IRISNDT #:** 41076 **Mfg:** Spectroline **Calibration Date:** 11-May-12  
☒ **Verification per ASME V Art 7 T.777.2**

**Whitelight:** Battery Powered Min. 3V ☐ } Held within 30 cm (12in) of the inspection surface  
110V Power Min. 60W Bulb ☐ } provides minimum 1000 Lx (100fc)

**Method of Magnetization:** AC ☒ DC ☐ Continuous ☒ Residual ☐

**Magnetic Particles:** Dry ☐ Wet ☒ **Red** ☐ **Grey** ☐ **Black** ☐ **Fluorescent** ☒  
**Batch #:** 1093 **Mfg:** MI GLOW **Type:** 810

**Background:** ☐ **Batch #:** **Mfg:** **Type:**

#### Inspection Results:

**SCOPE:** Magnetic Particle Inspection was carried out on various internal areas of Butane Bullet Vessel as per Q.C directives.

#### INSPECTED AREAS:

1. 100% of all welds on North head shell circ to head, all vessel head long seams, and head center circ welds.
2. 100% of all welds on South head shell circ to head, all vessel head long seam's, and head center circ welds.
3. 100% of all shell to nozzle welds including manway.
4. 100% of all long seam to circ intersection welds. (12" on each side).

**RESULTS:** No cracks or notable relevant indications to note.

A#84682	Vessel Type: Horizontal Bullet	Inspection Temperature: 8C
CRN#A-8430.2	Vessel Use: Butane	Serial Number: 80028005

#### Inspection Limitation(s): N/A

**Unit #:** 361 **Kilometers:** 30  
**In:** **Out:** **Hrs:** 5  
**In:** **Out:** **Hrs:**  
**Personnel:**  
Jonathan Anstey 403-506-0228 , Emanuel Caines

**Consumables:**  
min charge

**Interpretation by:** SNT-TC-1A II  
Jonathan Anstey C.G.S.B. II  
C.G.S.B. # 7794  
(Signature)  
I am in full agreement with report contents:  
Client Representative: \_\_\_\_\_

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