

Report #: 92014-BV-3 IRISNDT Job #: 92014 Date: OCT 12, 2006 Page 1 of 2  
 Client: CNRL PO/Job #: \_\_\_\_\_ Contact: KEITH MACINTOSH  
 Job location: LSD 07-32-012-13W4M Tel: 780-991-7644  
 Fax: \_\_\_\_\_  
 Procedure(s): IRISNDT UT 2.0T  
 Code(s): CLIENT SPECIFICATION

Item Inspected: A2698238 Free Water KO Drum Material: carbon steel  
 Method:  Contact  Immersion  Other: \_\_\_\_\_ Surface Temp (C):  < 5°  > 5° / < 60°  > 60°  
 Type:  P/E  T/T  Dual  Automated  TOFD Scanning Surface:  OD  ID  Other: \_\_\_\_\_  
 Application:  Laminar  Shear Wave  Volumetric  Thickness Surface Condition: painted

Instrumentation: Manufacturer: Krautkramer Type: DMS2 Instrument Ser. #: 00Y4Y3  
 Calibration: Date: April 21, 2006 Reference Flaw Size: \_\_\_\_\_ IRISNDT #: \_\_\_\_\_  
 Calibration Block(s): Type: Step Wedge - I IRISNDT #: 32560 Type: \_\_\_\_\_ IRISNDT #: \_\_\_\_\_  
 Type: \_\_\_\_\_ IRISNDT #: \_\_\_\_\_ Type: \_\_\_\_\_ IRISNDT #: \_\_\_\_\_  
 Couplant: Brand: EchoGel Type: 792 Cable: Type: Coaxial Length: 36"

PROBE						SETTINGS - dB			RANGE - <input type="checkbox"/> INCHES <input type="checkbox"/> MM		
Manufacturer	Type	Serial #	Angle	Frequency	Size	Reference Level	Scanning Level	Transfer Value	Screen Size	Skip Value	Beam Travel
<u>Krautkramer</u>	<u>Dual</u>	<u>013PLN</u>	<u>0</u>	<u>8.0 MHz</u>	<u>0.250</u>	<u>55</u>	<u>+6 dB</u>				

**INSPECTION DETAILS**

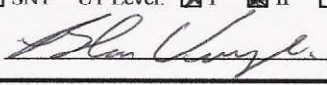
Scope: **To perform corrosion UT zero degree thickness on the heads, shell and nozzles of A2698238.**

Results: **All readings taken were found to be clear with no obvious signs of corrosion or erosion present. No areas of concern were found. No schedules were found on the nozzle flanges. Bands were carried out as scans as H2S was present and time was a factor. The operators were trying to get the equipment online after the internal inspection was complete. See attached drawing for location of the UT inspection.**

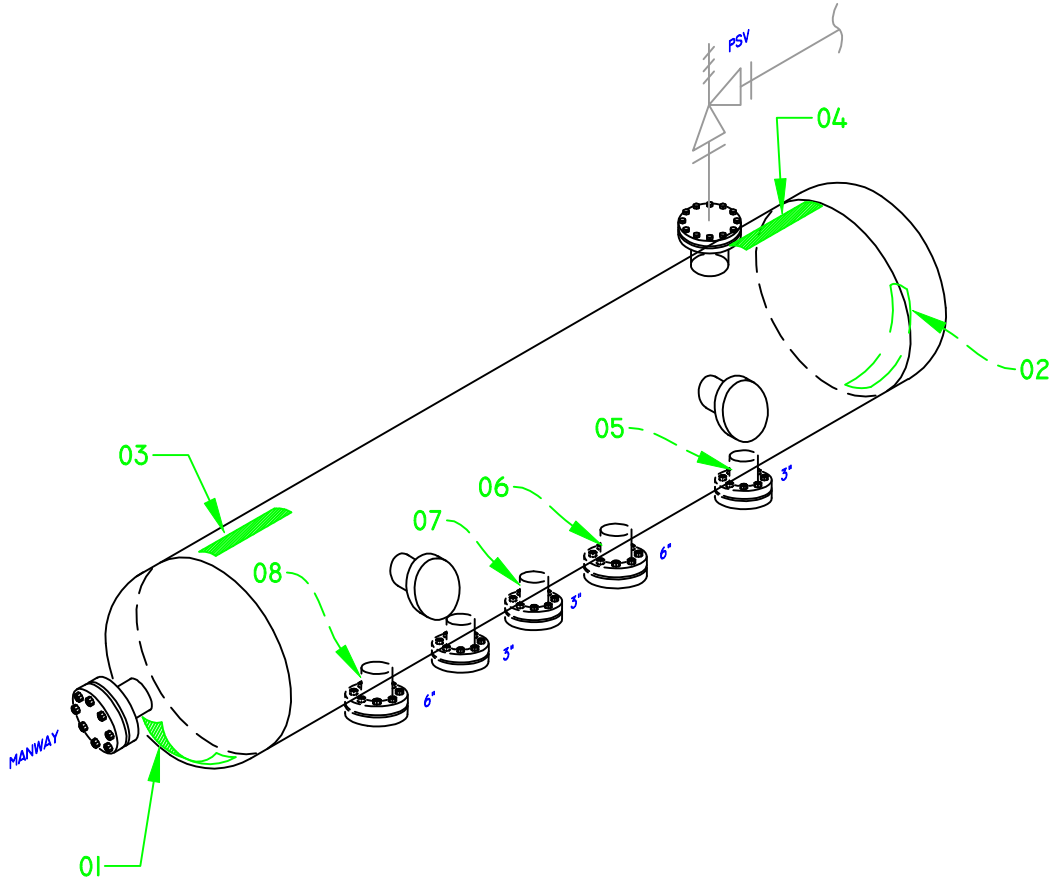
Observation: **This vessel was found to be in good general shape with no areas of corrosion found.**

Recommendation: **Continue to perform the corrosion UT Survey at the next frequency set for this vessel to determine the corrosion rate and integrity of the pressure components.**

Final Comment: **Vessel is fit for service**

Assistant: _____ <input type="checkbox"/> CGSB <input type="checkbox"/> SNT UT Level: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III No. #: _____	Technician: <u>BLAIR VERGE</u> <input checked="" type="checkbox"/> CGSB <input type="checkbox"/> SNT UT Level: <input checked="" type="checkbox"/> I <input checked="" type="checkbox"/> II <input type="checkbox"/> III No. #: <u>5586</u>
Unit: _____ Km: _____ Travel Time: _____ Start: <u>2030</u> Stop: <u>2430</u> Work hrs: _____ <input type="checkbox"/> OT Meal <input type="checkbox"/> Subsistence required Total hrs: _____ Consumables: _____	Signature:  Client Name: _____ Signature: _____

<b>Location #</b>	<b>Minimum Thickness</b>	<b>Minimum Location</b>	<b>Comments</b>
Location 01	0.623"	Min 6" from start of band	
Location 02	0.638"	Min 10" from start of band	
Location 03	0.389"	Min 8" from start of band	
Location 04	0.397"	Min 6" from start of band	
Location 05	0.497"	Min 8" from start of band	
Location 06	0.538"	Min 7" from start of band	
Location 07	0.297"	Min 8" from start of band	
Location 08	0.447"	Min 5" from start of band	



DESIGN (s.s.): 517 KPA	@ 93°C
SIZE (s.s.): N/A	X N/A
DESIGN (t.s.): N/A	@ N/A
SIZE (t.s.): N/A	X N/A
J.E./RT : N/A	
C.A. : N/A	
SHELL (s.s.): 9.5MM & SA-516-70	
HEAD (s.s.): 15.4MM & SA-516-70	
CHANNEL (t.s.): N/A	
HEAD (t.s.): N/A	

**IRIS NDT**

COMMENTS:

VESSEL #: N/A	
DESC: FREE WATER K.O DRUM	
REG #: A2698238	
SER #: P90-0038-A	
CRN #: K3252.2	BUILT: 1991
P & ID: N/A	
AREA: CNRL MEDICINE HAT	
LSD: 07-32-012-13W4M	
DWG: A2698238	
BY: LS	DATE: 10/25/06