



# VESSEL INSPECTION REPORT

REPORT# 71155  
DATE **Sept 22-06**  
PAGE 1 of 3  
IRISNDT# 117068

CLIENT <b>CNRL</b>		DISTRICT <b>Wolf Lake</b>		FACILITY/UNIT <b>Burnt Lake</b>		FIELD/LSD <b>14-14-067-3W4M</b>	
EQUIPMENT JUR. # <b>420792</b>		EQUIPMENT # <b>BLP-E-160</b>		SERIAL # <b>97-1630</b>		EQUIPMENT DESCRIPTION <b>Sales Oil Exchanger</b>	
NAT'L BD #		MAWP@TEMP 827kPa @ 163°C		CRN# N5243.2		MANUFACTURER Exchanger Ind	
MDMT -29°C		STATUS In service		MANWAY No		LENGTH HEIGHT 0.76m	
RT 3		PWHT YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SERVICE Sales oil		NOMINAL THICKNESS	
VOLUME		COATED/CLAD		SHELL		0.375"	
				Channel HEAD		0.3125"	
SADDLE		INSULATED Yes		CORR.ALLOW.		0.0625"	

## PSV STATIC DATA

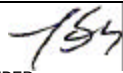
TAG#	S/N	MANUFACTURER	MODEL	CRN
SET PRESSURE	SHELL/TUBE SIDE	SERVICE DATE	SERVICE COMPANY	SIZE IN
CAPACITY	CONNECTION TYPE	CARSEAL INTACT	LOCATION	SIZE OUT
TAG#	S/N	MANUFACTURER	MODEL	CRN#
SET PRESSURE	SHELL/TUBE SIDE	SERVICE DATE	SERVICE COMPANY	SIZE IN
CAPACITY	CONNECTION TYPE	CARSEAL INTACT	LOCATION	SIZE OUT

## SUMMARY OBSERVATIONS

Sensitive leak test performed on the tubes – 10 PSI, no leaks noted. Tubesheet in good condition. No corrosion noted in the channel head. Vessel and piping in good condition. Insulation and cladding are good.

## SUMMARY RECOMMENDATIONS

NA

UNIT# IN IN PERSONNEL	KM OUT OUT M SALES	I, the undersigned have performed the stated inspections as directed by the client and that the statements with in this report are correct and represent inspection findings to the best of my abilities  <b>MARTEN SALES API510 #25527</b>  INSPECTOR NAME and CERTIFICATION NUMBER	INSPECTOR SIGNATURE  CLIENT SIGNATURE & JOB NUMBER
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### EXTERNAL INSPECTION RESULTS

Item	Comment	Item	Comment
Foundation	Structural/Piles	Paint	NA
Grounding	Through piles	Cathodic Protect	NA
Insulation	In good condition	Fireproofing	NA
Piping	Associated piping in good condition	Ladders/Platforms	NA
Supports	OK	Berms	NA
Anchor Bolting	OK	Davit Arm	NA
Comment			

### DETAILED OBSERVATIONS AND RECOMMENDATIONS

The vessel is mounted on two saddles with piles for support.

A 10-PSI air pressure sensitive leak test was performed on the tube sheet and tubes by applying the pressure to the shell side and snoop testing the tubesheet and tube ends.

No leaks were found.

No tube sheet corrosion was visible

The exchanger channel was internally inspected, with no corrosion found.

The vessel and piping are secure and in good condition. The insulation/cladding is in relatively good condition.

The nameplate is affixed and legible.

The PSV's were removed for service at the time of inspection.

