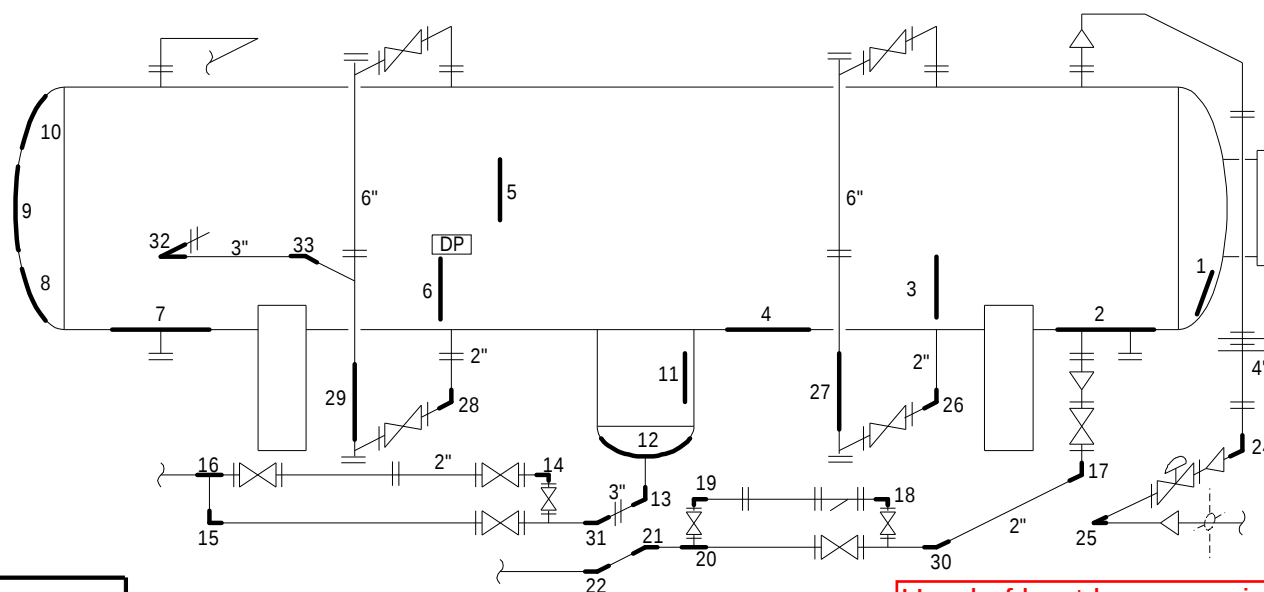




VESSEL DATA

UNIT#: 40157 EQUIP.#:

DESCRIPTION: Horizontal Inlet Separator
 MANUFACTURER: Access Manufacturing Ltd.
 SERIAL#: P 8078.01
 C.R.N.#: K 6964.1
 ALBERTA#: MA# 46475
 B.C.#:
 M.W.P.: 285 psi @ 100 F
 SHELL: 12.7mm SA 516-70N
 HEAD: 12.7mm
 SIZE: 48"x 15'
 CORR. ALLOW.: 3.2mm
 MAN. DATE: 2008
 HEAT TREAT.: HT
 RADIOGRAPHY: RT-1

CLIENT: TOURMALINE OIL CORP.

LOCATION: MULLIGAN 5-14-82-08 W6M WELLSITE

DATE: April 20, 2015

DRAWN BY: RG

DRAWING#: 40157

Head of boot has a nominal of 9.5mm from the ABSA registered drawing. CA from the MRD is 3.175mm All UT is acceptable. JW June 29, 2015 This vessel does not appear to have an AB registration. Confirming this. JW June 29, 2015

TOURMALINE OIL CORP.

Location: Mulligan 5-14-82-8 W6M

Unit #: 40157 Horizontal Inlet Separator

Dwg #: 40157

Eq#:

Band #:	1	Head - lower	T'Nom:	12.7	T'Min:	9.5
	Point#	Mar 2015				
	1	13.8				
	2	13.9				
	3	13.9				
	4	13.5				
	5	13.4				
	6	13.8				
	7	14.0				
	Average	13.8				
	Meas Min	13.4				
	% Loss/Ave	3				
	% C.A. Lost					

Band #:	2	Shell - bttm	T'Nom:	12.7	T'Min:	9.5
	Point#	Mar 2015				
	1	13.6				
	2	13.6				
	3	13.7				
	4	13.7				
	5	13.7				
	6	14.6				
	7	13.6				
	8	13.7				
	9	13.6				
	10	13.7				
	11	13.8				
	12	13.6				
	Average	13.7				
	Meas Min	13.6				
	% Loss/Ave	1				
	% C.A. Lost					

Band #:	3	Lower Shell	T'Nom:	12.7	T'Min:	9.5
	Point#	Mar 2015				
	1	13.7				
	2	13.6				
	3	13.6				
	4	13.6				
	5	13.6				
	6	13.5				
	7	13.4				
	8	13.4				
	Average	13.6				
	Meas Min	13.4				
	% Loss/Ave	1				
	% C.A. Lost					

TOURMALINE OIL CORP.

Location: Mulligan 5-14-82-8 W6M

Unit #: 40157 Horizontal Inlet Separator

Dwg #: 40157

Eq#:

Band #:	4	Shell - bttm	T'Nom:	12.7	T'Min:	9.5
Point#		Mar 2015				
1		13.3				
2		12.8				
3		12.9				
4		12.9				
5		12.7				
6		12.7				
7		13.0				
8		12.6				
9		12.5				
Average		12.8				
Meas Min		12.5				
% Loss/Ave		3				
% C.A. Lost		6				
Band #:	5	Upper Shell	T'Nom:	12.7	T'Min:	9.5
Point#		Mar 2015				
1		14.0				
2		13.9				
3		13.9				
4		13.9				
5		13.8				
6		13.7				
7		13.7				
8		13.7				
Average		13.8				
Meas Min		13.7				
% Loss/Ave		1				
% C.A. Lost						
Band #:	6	Lower Shell	T'Nom:	12.7	T'Min:	9.5
Point#		Mar 2015				
1		13.6				
2		13.6				
3		13.6				
4		13.6				
5		13.5				
6		13.6				
7		13.5				
8		13.5				
Average		13.6				
Meas Min		13.5				
% Loss/Ave		0				
% C.A. Lost						

TOURMALINE OIL CORP.

Location: Mulligan 5-14-82-8 W6M

Unit #: 40157 Horizontal Inlet Separator

Dwg #: 40157

Eq#:

Band #:	7	Bottom Head	T'Nom:	12.7	T'Min:	9.5
	Point#	Mar 2015				
	1	12.4				
	2	12.2				
	3	12.6				
	4	13.5				
	5	13.2				
	6	13.2				
	7	13.7				
	8	13.7				
	9	13.7				
	10	13.7				
	11	13.8				
	12	13.6				
	Average	13.3				
	Meas Min	12.2				
	% Loss/Ave	8				
	% C.A. Lost	16				

Band #:	8	Head - lower	T'Nom:	12.7	T'Min:	9.5
	Point#	Mar 2015				
	1	14.0				
	2	13.1				
	3	13.1				
	4	13.1				
	5	12.5				
	6	12.9				
	7	12.9				
	8	12.8				
	Average	13.1				
	Meas Min	12.5				
	% Loss/Ave	4				
	% C.A. Lost	6				

Band #:	9	Head - middle	T'Nom:	12.7	T'Min:	9.5
	Point#	Mar 2015				
	1	13.0				
	2	12.9				
	3	13.0				
	4	13.1				
	5	13.2				
	6	13.2				
	7	13.2				
	8	13.2				
	Average	13.1				
	Meas Min	12.9				
	% Loss/Ave	2				
	% C.A. Lost					

TOURMALINE OIL CORP.

Location: Mulligan 5-14-82-8 W6M

Unit #:	40157	Horizontal Inlet Separator	Dwg #:	40157	Eq#:	
Band #:	10	Head - upper	T'Nom:	12.7	T'Min:	9.5
Point#	Mar 2015					
1	13.2					
2	13.5					
3	13.6					
4	13.5					
5	13.2					
6	13.5					
7	14.1					
8	14.0					
Average	13.6					
Meas Min	13.2					
% Loss/Ave	3					
% C.A. Lost						
Band #:	11	Shell of Boot	T'Nom:		T'Min:	
Point#	Mar 2015					TNOM
1	22.2					
2	22.0					
3	22.0					
4	22.1					
5	22.0					
6	21.8					
7	22.0					
8	21.9					
9	22.0					
10	22.1					
11	22.2					
12	22.3					
Average	22.1					
Meas Min	21.8					
% Loss/Ave	1					
% C.A. Lost						
Band #:	12	Head of Boot	T'Nom:		T'Min:	
Point#	Mar 2015					TNOM
1	10.9					
2	9.5					
3	8.8					
4	9.0					
5	9.1					
6	9.1					
Average	9.4					
Meas Min	8.8					
% Loss/Ave	6					
% C.A. Lost						
Band #:	13	3" 90 Elbow	T'Nom:	11.1	T'Min:	6.5
Point#	Mar 2015					
1	11.4					
2	10.9					
3	10.7					
4	11.0					
5	11.1					
Average	11.0					
Meas Min	10.7					
% Loss/Ave	3					
% C.A. Lost	9					

TOURMALINE OIL CORP.

Location: Mulligan 5-14-82-8 W6M

Unit #: 40157 Horizontal Inlet Separator

Dwg #: 40157

Eq#:

Band #:	14	2" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#		Mar 2015				
1		5.9				
2		6.2				
3		6.5				
4		6.7				
Average		6.3				
Meas Min		5.9				
% Loss/Ave		7				
% C.A. Lost						

Band #:	15	2" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#		Mar 2015				
1		6.0				
2		5.8				
3		5.7				
4		5.8				
Average		5.8				
Meas Min		5.7				
% Loss/Ave		2				
% C.A. Lost						

Band #:	16	2" Tee	T'Nom:	8.7	T'Min:	2.5
Point#		Mar 2015				
1		9.8				
2		11.6				
3		11.1				
4		9.9				
Average		10.6				
Meas Min		9.8				
% Loss/Ave		8				
% C.A. Lost						

Band #:	17	2" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#		Mar 2015				
1		5.4				
2		5.5				
3		5.4				
4		5.5				
Average		5.5				
Meas Min		5.4				
% Loss/Ave		1				
% C.A. Lost		3				

Band #:	18	2" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#		Mar 2015				
1		7.4				
2		7.9				
3		7.8				
4		7.5				
Average		7.7				
Meas Min		7.4				
% Loss/Ave		3				
% C.A. Lost						

TOURMALINE OIL CORP.

Location: Mulligan 5-14-82-8 W6M

Unit #: 40157 Horizontal Inlet Separator

Dwg #: 40157

Eq#:

Band #:	19	2" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#		Mar 2015				
1		6.6				
2		6.5				
3		6.3				
4		6.1				
Average		6.4				
Meas Min		6.1				
% Loss/Ave		4				
% C.A. Lost						

Band #:	20	2" Tee	T'Nom:	8.7	T'Min:	2.5
Point#		Mar 2015				
1		9.2				
2		10.5				
3		10.5				
4		9.8				
Average		10.0				
Meas Min		9.2				
% Loss/Ave		8				
% C.A. Lost						

Band #:	21	2" 45 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#		Mar 2015				
1		6.7				
2		6.7				
3		6.6				
4		6.6				
Average		6.6				
Meas Min		6.6				
% Loss/Ave		1				
% C.A. Lost						

Band #:	22	2" 45 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#		Mar 2015				
1		6.3				
2		6.6				
3		6.9				
4		7.1				
Average		6.7				
Meas Min		6.3				
% Loss/Ave		6				
% C.A. Lost						

Band #:	23	6" 90 Elbow	T'Nom:	7.1	T'Min:	2.5
Point#		Mar 2015				
1		7.7				
2		7.5				
3		7.3				
4		7.3				
5		7.5				
6		7.7				
7		7.7				
8		7.7				
Average		7.5				
Meas Min		7.3				
% Loss/Ave		3				
% C.A. Lost						

TOURMALINE OIL CORP.

Location: Mulligan 5-14-82-8 W6M

Unit #:	40157	Horizontal Inlet Separator	Dwg #:	40157	Eq#:	
Band #:	24	4" 90 Elbow	T'Nom:	6.0	T'Min:	2.5
Point#	Mar 2015					
1	6.5					
2	6.5					
3	6.0					
4	6.1					
5	6.3					
Average	6.3					
Meas Min	6.0					
% Loss/Ave	4					
% C.A. Lost						
Band #:	25	3" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#	Mar 2015					
1	6.0					
2	6.0					
3	5.9					
4	5.9					
5	6.0					
Average	6.0					
Meas Min	5.9					
% Loss/Ave	1					
% C.A. Lost						
Band #:	26	2" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#	Mar 2015					
1	6.3					
2	6.2					
3	6.1					
4	6.0					
Average	6.1					
Meas Min	6.0					
% Loss/Ave	2					
% C.A. Lost						
Band #:	27	6" long.	T'Nom:	7.1	T'Min:	2.5
Point#	Mar 2015					
1	8.2					
2	8.2					
3	8.2					
4	8.4					
5	8.4					
6	8.3					
7	8.3					
8	8.2					
Average	8.3					
Meas Min	8.2					
% Loss/Ave	1					
% C.A. Lost						
Band #:	28	2" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#	Mar 2015					
1	5.7					
2	5.7					
3	5.7					
4	6.1					
Average	5.8					
Meas Min	5.7					
% Loss/Ave	2					
% C.A. Lost						

TOURMALINE OIL CORP.

Location: Mulligan 5-14-82-8 W6M

Unit #:	40157	Horizontal Inlet Separator	Dwg #:	40157	Eq#:	
Band #:	29	6" long.	T'Nom:	7.1	T'Min:	2.5
Point#	Mar 2015					
1	7.7					
2	7.9					
3	7.8					
4	7.8					
5	7.8					
6	7.9					
7	7.8					
8	8.0					
Average	7.8					
Meas Min	7.7					
% Loss/Ave	2					
% C.A. Lost						
Band #:	30	2" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#	Mar 2015					
1	5.2					
2	5.3					
3	5.3					
4	5.3					
Average	5.3					
Meas Min	5.2					
% Loss/Ave	1					
% C.A. Lost	10					
Band #:	31	3" 90 Elbow	T'Nom:	5.5	T'Min:	2.5
Point#	Mar 2015					
1	5.9					
2	5.8					
3	5.8					
4	6.4					
Average	6.0					
Meas Min	5.8					
% Loss/Ave	3					
% C.A. Lost						
Band #:	32	3" 90 Elbow	T'Nom:	7.6	T'Min:	2.5
Point#	Mar 2015					
1	9.2					
2	9.1					
3	8.8					
4	8.6					
Average	8.9					
Meas Min	8.6					
% Loss/Ave	4					
% C.A. Lost						
Band #:	33	3" 90 Elbow	T'Nom:	7.6	T'Min:	2.5
Point#	Mar 2015					
1	7.8					
2	7.5					
3	7.8					
4	7.7					
5	7.9					
Average	7.7					
Meas Min	7.5					
% Loss/Ave	3					
% C.A. Lost	2					