



SPOOL TAG DATA	
SUNCOR TAG No.:	300D-6A
SPOOL No.:	
LINE No.:	
DWG# / VP:	
NOMINAL SIZE:	30"
COMPOSITION:	STEEL CASING, HCWI LINER
MANUFACTURER:	PENTICTON FOUNDRY / ALCO
FABRICATION DATE:	MM/DD/YYYY

DESIGN CODE:	ASME B13.3
SERVICE / SPEC.:	
DESIGN PRESSURE:	532 psig (3,670 kPag)
DESIGN TEMPERATURE:	80°C
TEST PRESSURE:	N/A
WEIGHT EMPTY:	2,390 lbs. (10.63 kN)
WEIGHT FILLED:	N/A
REF. ISO:	
LINE No.:	
SPOOL No.:	

NOTE:
ECCENTRIC BORE

DETAIL B

SECTION A-A

BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	A1-19010-200-02 HCWI nozzle insert	30" HCWI NOZZLE, ASTM A532 CLASS III TYPE A, PF#
2	1	A1-19010-200-01 30in CL300 RFBL flange - thinned	Ø30" CLASS 300 RFBL FLANGE, A516 Gr.70N, ASME B16.47 Ser.A, 50mm THICK
3	1	A1-19010-100-03 Tab - SHORT	4" x 1 1/2" x 1/2" PLATE, A516 Gr.70
4	1	A1-19010-100-04 Tab - LONG	4" x 1 1/2" x 1/2" PLATE, A516 Gr.70
5	2	ANSI B18.3 - 3/4-10 UNC x 0.75	3/4"-NC x 3/4" SOCKET HEAD SET SCREW, FLAT POINT, Gr.5

REVISION HISTORY		
REV	DATE	DESCRIPTION
3	9/25/19	FLANGE BORE WAS Ø28.500, FLANGE COUNTERBORE WAS Ø30.000
2	9/23/19	REMOVED STAMP & APEGGA PERMIT, ADDED WO#
1	8/30/19	FLANGE WAS A105N
0	7/25/19	ISSUED FOR CONSTRUCTION, REVISED LINER DIMENSIONS, ADDED TOLERANCES
D	7/10/19	LINER BORE WAS CONCENTRIC
C	6/19/19	TOLERANCE WAS +0.125"/-0.015" [+3.2/-0.4]
B	6/18/19	DIMENSION WAS 1 5/8"
A	4/05/19	ISSUED FOR REVIEW

W.O.#

SUNCOR TAG #300D-6A/B

EST. WT. - 1,590 lbs.	DO NOT SCALE
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.1" OR 0.4" (WHICH IS LARGER). TOLERANCES: X.XX = ±.010 X.XXX = ±.005 ANGLES = ±1/2° 125/125/125 FINISH ON ALL MACHINED SURFACES	DRAWN BY: JDS DATE: 9/25/19 CHECKED BY: BEM DATE: 9/25/19 APPROVED: DATE: MATERIAL & HEAT TREAT

Manufacturer Name: PENTICTON FOUNDRY	
Manufacturer Part No.: PENTICTON FOUNDRY	
Vendor Name: Suncor Material Master:	
Suncor Material Master:	
ALCO ALCO Industrial 11650 - 156 Street, Edmonton, Alberta, Canada T6M 3T5 Phone: (780) 451-6222 • Fax: (780) 452-4355	
TITLE INSERT FOR NOZZLE N7 (300D-6A, 300D-6B) FORT HILLS / SUNCOR	
PROJECT No: A1-19010	REFERENCE DD300-L-87-1
FILE NAME A1-19010-200-00 300D-6A -6B N7 insert.idw	REV. 3 SHEET 1 OF 1