



PRECISION INVESTMENT CASTINGS
FERROUS AND NON-FERROUS METALS

PURE CASTINGS CO.

P.O. Box 6497
AUSTIN, TEXAS 78762
PHONE: (512) 472-1330
FAX: (512) 472-1322

PLANT: 2110 E. 4TH STREET
AUSTIN, TEXAS 78702

*** * * Chemical Certification * * ***

Customer:

B & T OILFIELD PRODUCTS - LA
820 HWY. 35 BYP N
ALVIN, TX 77511
U.S.A.

Date: 10/09/17

Shipper#: 029062

Sales Order#: S20136

Customer PO#: 73434

Quantity: 270

Rev: -

Work Order#: W40194

Heat Code:

Customer Part#: BLDO-03000-01

Our Part#: 4145

3-1/2" LOCKING DOG

Alloy: S17400-04

IC 17-4

Specification: IC 17-4 - IC 17-4 Rev: -

Chemical Properties

*** Heat Number - C13878

Element	C	Mn	P	S	Si	Cr	Ni	Mo	Cu	V	W
Spec.Min.					.5000	15.5000	3.6000		2.8000		
Spec.Max.	.0600	.7000	.0400	.0300	1.0000	16.7000	4.6000		3.5000		
Actual	.0650	.4170	.0210	.0050	.7330	15.8390	4.3390	.1040	3.1860	.0390	.0110
Element	Al	Sb	Co	Fe	Mg	Nb	Sn	Pb	Ti	Zn	N2
Spec.Min.						.1500					
Spec.Max.						.4000					
Actual	.0040		.0470	74.7870		.1990					
Actual											

Pure Castings Co. certifies that this chemical analysis is correct to the best of our knowledge and belief. We further certify that the parts represented herein were manufactured according to the specifications referenced on the above Purchase Order.
MADE IN U.S.A.

Juan Garcia
Authorized Signature



Schumacher Co., Inc.

System Level Form

ISO 9001:2008

Issue Date:

1/05/12

Revision Date:

5/10/17

Document #:

F - 8.2.4.6 G

Title: Certificate of Compliance

Page #:

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All areas that do not apply are to be marked as N/A (Not Applicable)

CUSTOMER: B & T OILFIELD PRODUCTS DATE: 10/27/17CUSTOMER PURCHASE ORDER NUMBER: 73602 QTY: 270CUSTOMER WORK ORDER NUMBER: NAPART NUMBER: DOGS REV: NADESCRIPTION: 3" DOGSSERIAL NUMBER (S): NASCHUMACHER JOB NUMBER: 31490-01

PROCESS

CHROME ☐ SULFAMATE NICKEL ☐ ELECTROLESS NICKEL ☒CARBIDE ☐ SURFACE FINISH ONLY ☐ PHOSPHATE ☐ STRIP ONLY ☐CUSTOMER SPECIFICATION: PO#73602 REV: NALIQUID PENETRANT PROCEDURE: NA REV: NAPHOSPHATE PER: NA REV: NAVISUAL INSPECTION PER: PO#73602 PASS YES

POST BAKE PROCESS IF APPLICABLE

CUSTOMER SPEC. NO: NA POST BAKE: YES ☐ NO ☒TIME: NA TEMPERATURE: NA

IF APPLICABLE

OTHER PROCESSES/ TESTED PERFORM (PLEASE PROVIDED DETAILED INFORMATION):

CERTIFIED BY: [Signature] DATE: 10/27/17

Protect customer's property at all times When in doubt ask your supervisors before proceeding to sign off on this form***

Second Page of this document is only needed for extra text

Prepared By:
Corporate Q/C Q/A ManagerSignature:
Ruben CerdaAuthorized By:
Plant ManagerSignature:
Victor Gonzalez