



**JSW Steel (USA) INC.**  
5200, East McKinney Road,  
BAYTOWN, TX 77523

**METALLURGICAL TEST REPORT**

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MTR Rev. 0 8/14/2023

<b>Bulletin</b>	<b>Order Item</b>	<b>Heat</b>	<b>PO No.</b>	<b>Shipping Mode</b>	<b>Order Dimensions</b>	<b>Slab Origin</b>	<b>TC No.</b>
T148967	JSW24366-02	S33544	KN 701	TRUCK	0.75x96x480	JSW USA	T148967-3544-1

MEETS

MELTED AND MANUFACTURED IN THE USA.

We hereby certify that the material described herein has been made to the application by the B.O.S process and tested in accordance with the requirements of American Bureau of Shipping Rules with satisfactory results.

SLAB ORIGIN:  
JSW MINING USA

**Specifications**

**Plates Certified for the Following grades**  
ASTM-A36, ASTM-A709-36, ABS-ABA/A, ASME-SA36 CR

**Marking Instructions**

Stencil in 1 location(s): X Loc. 18 Y Loc. 30. CUST. MADE IN USA PN PO.  
DIM GRADE: FREIGHT ORDER ITEM PLATEID SHIPWEEK SLABID  
TRANSMODE Stamp in 1 location(s): X Loc. 18 Y Loc. 12; Slab ID; Slab ID

Sold To: METALS USA 1 FOUNDRY ROAD WAGGAMAN, LA 70094  
Ship To: METALS USA 1 FOUNDRY ROAD WAGGAMAN, LA 70094

Certified For ABS Part II 2023; Complies with ASME SA36 2021; Complies with ASTM A 709 2021; Complies with ASTM A36 2019

<b>Test</b>	<b>C</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Si</b>	<b>Cu</b>	<b>Ni</b>	<b>Cr</b>	<b>Mo</b>	<b>Sn</b>	<b>Al</b>	<b>N</b>	<b>V</b>	<b>B</b>	<b>Ti</b>	<b>Nb</b>	<b>Ca</b>	<b>CE</b>
LADLE	0.10	0.84	0.012	0.002	0.20	0.062	0.030	0.048	0.010	0.008	0.038	0.0078	0.002	0.0003	0.004	0.001	0.0028	0.26

Carbon Equivalent CE = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15  
PCM = C + Si/30 + Mn/20 + Cu/20 + Ni/60 + Cr/20 + Mo/15 + V/10 + Sb  
AWS = C + (Mn+Si)/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

<b>Plate Tested</b>	<b>Smpl. Loc.</b>	<b>Slab Identity</b>	<b>Batch</b>	<b>Gauge Tested</b>	<b>Test Cond</b>	<b>Test Dir</b>	<b>Yield Point (KSI)</b>	<b>Ten. Stgth. (KSI)</b>	<b>Elong in 2"</b>	<b>Ys/UTS Ratio</b>	<b>Yield Strength Determined At</b>
1321303	A	05A	8066	0.7500	CR	T	42	65	39.0%	0.64	0.2%
1321304	A	05B	8066	0.7500	CR	T	43	65	38.0%	0.66	0.2%

**Plates Certified For The Above Tests**

<b>Material</b>	<b>Thick(IN)</b>	<b>Width (IN)</b>	<b>Len(IN)</b>	<b>Wgt(LB)</b>	<b>Batch</b>	<b>Material</b>	<b>Thick(IN)</b>	<b>Width(IN)</b>	<b>Len (IN)</b>	<b>Wgt(LB)</b>	<b>Batch</b>
1321305A	0.7500	96.000	480.00	9801.216	8066	1321305B	0.7500	96.000	480.00	9801.216	8066
1321306B	0.7500	96.000	480.00	9801.216	8066	1321306A	0.7500	96.000	480.00	9801.216	8066

DIN: EN 10204 2004 3.1 This is to certify that the product described herein was manufactured, sampled, and tested in accordance with the specifications and requirements in such specifications. Fine Grain, Si-Al Fully Killed Steel. We certify that delivery of this product with the requirement of the specification and purchase order received from customer. DRC Conflict Free. No intentional addition of Pb, Se, S, Hg or B. JSW Steel USA, Inc is an ISO 9001:2015 certified facility.

*April W*

