

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-02

5" OD Drill Pipe, S-135, NC-50 Vam Eis Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

Type
Range
Conventional=welded T-J. / Integral=Monoblock

IEU, 19.5 #
2
Conventional

TUBE DATA

Material grade	S-135				
Internal plastic coating	TK-34P				
Tube body OD x ID	inch	5,000	4,276	4,855	4,276
Wall thickness, nominal	inch		0,362		0,290
Cross Sectional Area	inch ²		5,275		4,152
Polar Sectional Modulus	inch ³		11,415		8,949
Tensile yield pipe	lbf		712 100		560 600
	kN		3 168		2 494
Torsional yield pipe	lbf-ft		74 100		58 100
	kNm		100,5		78,8
80% Torsional Yield	lbf-ft		59 280		46 480
	kNm		80,4		63,0

CONNECTION DATA

Connection type	NC-50 Vam Eis				
Material grade	130ksi				
Hardbanding	Arnco-300 XT				
OD x ID	inch	6,625	3,250	6,313	3,250
B.S.R.	x : 1		2,43		1,97
Tensile yield tooljoint	lbf		1 353 900		1 353 900
	kN		6 022		6 022
Torsional yield tooljoint	lbf-ft		79 600		76 000
	kNm		107,9		103,0
Make up torque Max. (Minimum 38 200)	lbf-ft		49 800		47 400
	kNm		67,5		64,3

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		1,07		1,37
Drift diameter	inch		3,125	
Type of elevator shoulder:			18°	
Burst pressure	psi		17 100	15 600
	Mpa		118	108
Collapse pressure	psi		15 700	10 000
	MPa		108	69
Adjusted weight	lbs/ft		23,0	
	kg/mtr		34,2	
Approx weight each joint	lbs		718,0	
	kg		325,7	
Capacity	gal/ft		0,71	
	ltr/mtr		8,85	
Open end displacement	gal/ft		0,34	
	ltr/mtr		4,20	
Closed end displacement	gal/ft		1,05	
	ltr/mtr		13,05	
Built In Length (shoulder to shoulder)	ft		31,17	
	mtr.		9,50	

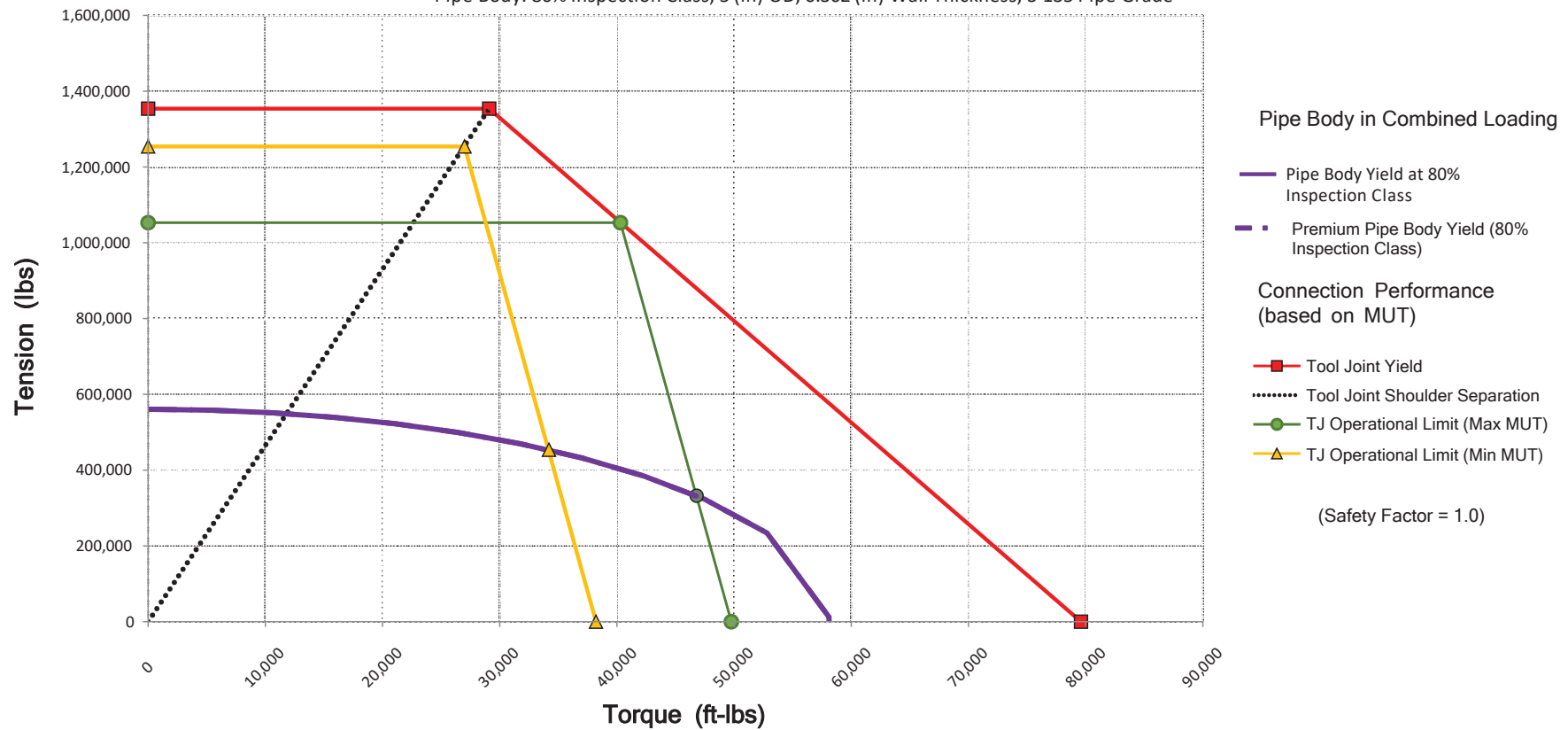
Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0

Values herein is meant as guidelines only. Odfjell will not be held liable for any damage or injuries !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-59-EIS	643	OWS-001 to OWS-643
OWS-DP-510-EIS	646	OWS-650 to OWS-1296

Torque-Tension Graph

Connection: NC50 EIS™-130 (6.625 (in) OD 3.25 (in) ID) SMYS = 130,000 (psi) Friction Factor = 1.0
 Pipe Body: 80% Inspection Class, 5 (in) OD, 0.362 (in) Wall Thickness, S-135 Pipe Grade

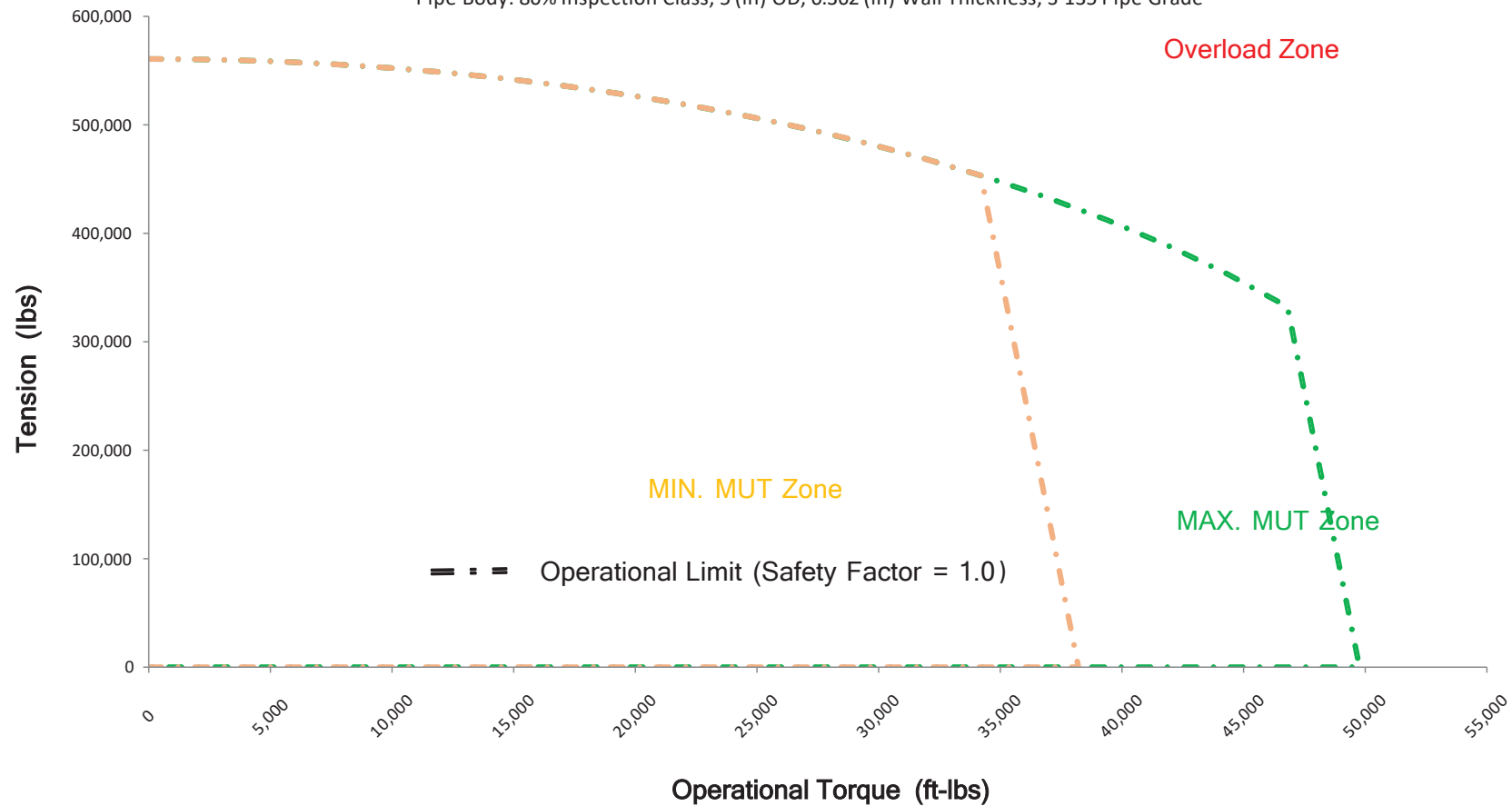


All references to any internal standards or specifications are per the current edition/revision at the point of manufacturing, unless otherwise stated. All references to any external standards or specifications are per the current edition/revision at the original purchase order (P.O.) date, unless otherwise stated.

Drill Pipe Operational Limits (Connection at Recommended MUT = 49,763 (ft-lbs)) (Connection at Minimum MUT = 38,210 (ft-lbs))

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