

## MILL TEST CERTIFICATE

Certificate No : 1000261686  
Page No : 22 / 33  
Certificate Date : 12.08.2022  
Inspection Certificate: EN 10204-3.1  
Sales Document : 10542397  
Shipment Number : 10000031354  
Vessel Name: : MV LORD NELSON

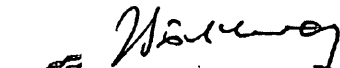
DESCRIPTION OF GOODS:  
ERW STEEL PIPE

Tag Information					Chemical Analysis										Product Information		Mechanical Properties			Other Specifications						
ITEM	TYPE	SIZE	PACK NO	CAST NO	LOT NO	C %	MN %	P %	S %	CU %	NI %	CR %	MO %	V %	PRODUCT NORM	STEEL GRADE	YS psi	TS psi	E %	HT psi	VDC	B	FT	BD	EX	NDT
526	BPEC	6"X0,432"X21'	MB05669436	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
527	BPEC	6"X0,432"X21'	MB05669437	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
528	BPEC	6"X0,432"X21'	MB05669438	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
529	BPEC	6"X0,432"X21'	MB05669440	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
530	BPEC	6"X0,432"X21'	MB05669480	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
531	BPEC	6"X0,432"X21'	MB05669481	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
532	BPEC	6"X0,432"X21'	MB05669482	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
533	BPEC	6"X0,432"X21'	MB05669483	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
534	BPEC	6"X0,432"X21'	MB05669421	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
535	BPEC	6"X0,432"X21'	MB05669576	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
536	BPEC	6"X0,432"X21'	MB05669577	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
537	BPEC	6"X0,432"X21'	MB05669578	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
538	BPEC	6"X0,432"X21'	MB05669579	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
539	BPEC	6"X0,432"X21'	MB05669580	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
540	BPEC	6"X0,432"X21'	MB05669641	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
541	BPEC	6"X0,432"X21'	MB05669642	2204126	25.365	0.1298	0.5173	0.0117	0.0079	0.3304	0.1516	0.0637	0.0338	0.0022	ASTM A53/ASME SA53	B	46992	68313	34,3	2740	G	G	G	G	G	G
542	BPEC	8"X0,188"X42'	MB05664250	2200186	25.365	0.1262	0.5551	0.0083	0.0068	0.2699	0.1292	0.102	0.0197	0.0031	ASTM A53/ASME SA53	B	48733	67443	37,0	1200	G	G	G	G	G	G
543	BPEC	8"X0,188"X42'	MB05661996	2202427	25.365	0.1076	0.5122	0.0086	0.0103	0.3432	0.1345	0.0727	0.0321	0.0063	ASTM A53/ASME SA53	B	48733	67443	37,0	1200	G	G	G	G	G	G
544	BPEC	8"X0,188"X42'	MB05661997	2202427	25.365	0.1076	0.5122	0.0086	0.0103	0.3432	0.1345	0.0727	0.0321	0.0063	ASTM A53/ASME SA53	B	48733	67443	37,0	1200	G	G	G	G	G	G
545	BPEC	8"X0,188"X42'	MB05662899	2204542	25.365	0.1226	0.5908	0.0140	0.0142	0.3691	0.1077	0.1648	0.0221	0.0022	ASTM A53/ASME SA53	B	51343	70198	35,8	1200	G	G	G	G	G	G
546	BPEC	8"X0,188"X42'	MB05662900	2204542	25.365	0.1226	0.5908	0.0140	0.0142	0.3691	0.1077	0.1648	0.0221	0.0022	ASTM A53/ASME SA53	B	51343	70198	35,8	1200	G	G	G	G	G	G
547	BPEC	8"X0,188"X42'	MB05662911	2204542	25.365	0.1226	0.5908	0.0140	0.0142	0.3691	0.1077	0.1648	0.0221	0.0022	ASTM A53/ASME SA53	B	51343	70198	35,8	1200	G	G	G	G	G	G
548	BPEC	8"X0,188"X42'	MB05662912	2204542	25.365	0.1226	0.5908	0.0140	0.0142	0.3691	0.1077	0.1648	0.0221	0.0022	ASTM A53/ASME SA53	B	51343	70198	35,8	1200	G	G	G	G	G	G
549	BPEC	8"X0,188"X42'	MB05662913	2204542	25.365	0.1226	0.5908	0.0140	0.0142	0.3691	0.1077	0.1648	0.0221	0.0022	ASTM A53/ASME SA53	B	51343	70198	35,8	1200	G	G	G	G	G	G
550	BPEC	8"X0,188"X42'	MB05662914	2204542	25.365	0.1226	0.5908	0.0140	0.0142	0.3691	0.1077	0.1648	0.0221	0.0022	ASTM A53/ASME SA53	B	51343	70198	35,8	1200	G	G	G	G	G	G

YS : Yield Strength ( psi )  
TS : Tensile Strength ( psi )  
E : Elongation ( % )  
HT : Hydrostatic Text ( psi )  
HT TIME : Hydrostatic Second  
NDT : Non Destructive Examination  
VDC : Dimensional Check  
EX : Expanding  
FT : Flattannin  
BD : Bending  
B : Bevelend  
G : Good

BPEC:COATED BLACK PLAIN END  
BPEH:HEAT TRE. BLACK P. END PIPE  
BTCC:PRI COA BLACK THRE&COUP PIPE  
GPE: GALVANISED PLAIN END PIPE

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**TOSÇELİK Profil ve Sac**  
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These results are certified by TOSCELİK PROFİL SAC VE END. A.S. and compl with the requirements of the product description.  
The material contains no mercury and the lead content is less than 0.01% (0.0001) .  
The material to which this MTR refers was manufactured in Turkey.  
Heat treatment has applied all GRB sizes which starts from 2" .