



Address :Organize San. Bölgesi Toprakale/ OSMANİYE
Tel :+90 326 656 28 90 PBX
Fax :+90 326 656 28 95
Web :www.toscelik.com.tr
E-mail :toscelik@toscelik.com.tr

MILL TEST CERTIFICATE

DESCRIPTION OF GOODS:
ERW STEEL PIPE

Certificate No : 1000282607
Page No : 1 / 26
Certificate Date : 18.11.2022
Inspection Certificate: EN 10204-3.1
Sales Document : 10564639
Shipment Number : 10000032500
Vessel Name : MV SEASTAR HAWK

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
1	BPEC	11/4"X0,140"X21'	MB05904522	2223224817	25.582	0.0845	0.4502	0.0085	0.0064	0.0102	0.0043	0.0237	0.0042	0.0020	ASTM A53	A	45106	59900	42,4	1200	G	G	G	G	G	G
2	BPEC	11/4"X0,140"X21'	MB05904523	2223224817	25.582	0.0845	0.4502	0.0085	0.0064	0.0102	0.0043	0.0237	0.0042	0.0020	ASTM A53	A	45106	59900	42,4	1200	G	G	G	G	G	G
3	BPEC	11/4"X0,140"X21'	MB05904516	2223224959	25.582	0.0923	0.4346	0.0117	0.0085	0.0094	0.0026	0.0243	0.0035	0.0013	ASTM A53	A	45251	59030	42,6	1200	G	G	G	G	G	G
4	BPEC	11/4"X0,140"X21'	MB05904519	2223224959	25.582	0.0923	0.4346	0.0117	0.0085	0.0094	0.0026	0.0243	0.0035	0.0013	ASTM A53	A	45251	59030	42,6	1200	G	G	G	G	G	G
5	BPEC	11/4"X0,140"X21'	MB05904520	2223324969	25.582	0.1252	0.4098	0.0052	0.0078	0.0120	0.0047	0.0268	0.0042	0.0014	ASTM A53	A	43946	59030	42,9	1200	G	G	G	G	G	G
6	BPEC	11/4"X0,140"X21'	MB05904521	2223324969	25.582	0.1252	0.4098	0.0052	0.0078	0.0120	0.0047	0.0268	0.0042	0.0014	ASTM A53	A	43946	59030	42,9	1200	G	G	G	G	G	G
7	BTCC	3/4"X0,113"X21'	MB05645569	220910678	25.582	0.0804	0.4176	0.0098	0.0053	0.0146	0.0010	0.0279	0.0023	0.0058	ASTM A53	A	40175	56854	40,8	700	G		G	G	G	G
8	BTCC	1"X0,133"X21'	MB05515007	V71006	25.582	0.0585	0.7418	0.0138	0.0042	0.0055	0.0067	0.0243	0.0010	0.0091	ASTM A53	A	45106	58305	32,9	700	G		G	G	G	G
9	BTCC	11/2"X0,145"X21'	MB05954564	2226226140	25.582	0.1005	0.4215	0.0170	0.0150	0.0113	0.0050	0.0310	0.0050	0.0020	ASTM A53	A	37854	56854	41,4	1000	G		G	G	G	G
10	BTCC	11/2"X0,145"X21'	MB05954571	2226226140	25.582	0.1005	0.4215	0.0170	0.0150	0.0113	0.0050	0.0310	0.0050	0.0020	ASTM A53	A	37854	56854	41,4	1000	G		G	G	G	G
11	BTCC	11/2"X0,145"X21'	MB05992579	2226226140	25.582	0.1005	0.4215	0.0170	0.0150	0.0113	0.0050	0.0310	0.0050	0.0020	ASTM A53	A	37854	56854	41,4	1000	G		G	G	G	G
12	BTCC	2"X0,154"X21'	MB05859544	2206978	25.582	0.0482	0.2865	0.0079	0.0195	0.2686	0.0960	0.0676	0.0145	0.0010	ASTM A53	A	41625	57144	42,6	2300	G		G	G	G	G
13	BTCC	2"X0,154"X21'	MB05859545	2206978	25.582	0.0482	0.2865	0.0079	0.0195	0.2686	0.0960	0.0676	0.0145	0.0010	ASTM A53	A	41625	57144	42,6	2300	G		G	G	G	G
14	BTCC	2"X0,154"X21'	MB05859512	2223123741	25.582	0.0928	0.4081	0.0145	0.0082	0.0125	0.0097	0.0223	0.0019	0.0015	ASTM A53	A	42786	59175	40,7	2300	G		G	G	G	G
15	BTCC	2"X0,154"X21'	MB05859513	2223123741	25.582	0.0928	0.4081	0.0145	0.0082	0.0125	0.0097	0.0223	0.0019	0.0015	ASTM A53	A	42786	59175	40,7	2300	G		G	G	G	G
16	BTCC	2"X0,154"X21'	MB05859542	2223123741	25.582	0.0928	0.4081	0.0145	0.0082	0.0125	0.0097	0.0223	0.0019	0.0015	ASTM A53	A	42786	59175	40,7	2300	G		G	G	G	G
17	BTCC	2"X0,154"X21'	MB05859543	2223123741	25.582	0.0928	0.4081	0.0145	0.0082	0.0125	0.0097	0.0223	0.0019	0.0015	ASTM A53	A	42786	59175	40,7	2300	G		G	G	G	G
18	BPEC	2"X0,154"X21'	MB05914063	2207759	25.582	0.1266	0.5290	0.0147	0.0102	0.3350	0.0950	0.0766	0.0049	0.0076	ASTM A53/ASME SA53	B	54389	72664	34,3	2500	G	G	G	G	G	G
19	BPEC	2"X0,154"X21'	MB05914065	2207759	25.582	0.1266	0.5290	0.0147	0.0102	0.3350	0.0950	0.0766	0.0049	0.0076	ASTM A53/ASME SA53	B	54389	72664	34,3	2500	G	G	G	G	G	G
20	BPEC	2"X0,218"X21'	MB05960475	2206128	25.582	0.1464	0.5176	0.0171	0.0166	0.3655	0.0938	0.0978	0.0170	0.0020	ASTM A53/ASME SA53	B	53083	74694	32,6	2500	G	G	G	G	G	G
21	BPEC	2"X0,218"X21'	MB05917871	2206395	25.582	0.1362	0.5480	0.0096	0.0108	0.2065	0.0625	0.0623	0.0178	0.0017	ASTM A53/ASME SA53	B	53954	74404	33,6	2500	G	G	G	G	G	G
22	BPEC	2"X0,218"X21'	MB05917872	2206395	25.582	0.1362	0.5480	0.0096	0.0108	0.2065	0.0625	0.0623	0.0178	0.0017	ASTM A53/ASME SA53	B	53954	74404	33,6	2500	G	G	G	G	G	G
23	BPEC	2"X0,218"X21'	MB05918055	2206395	25.582	0.1362	0.5480	0.0096	0.0108	0.2065	0.0625	0.0623	0.0178	0.0017	ASTM A53/ASME SA53	B	53954	74404	33,6	2500	G	G	G	G	G	G
24	BPEC	2"X0,218"X21'	MB05918056	2206395	25.582	0.1362	0.5480	0.0096	0.0108	0.2065	0.0625	0.0623	0.0178	0.0017	ASTM A53/ASME SA53	B	53954	74404	33,6	2500	G	G	G	G	G	G
25	BPEC	2"X0,218"X21'	MB05918057	2206395	25.582	0.1362	0.5480	0.0096	0.0108	0.2065	0.0625	0.0623	0.0178	0.0017	ASTM A53/ASME SA53	B	53954	74404	33,6	2500	G	G	G	G	G	G

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

BPEC : COATED BLACK PLAIN END
BTCC : PRI COA BLACK THRE&COUP PIPE

ASTM A53: 2022
ASME SA53: 2021

APPROVED BY
ERW Plants Quality Manager
Bülent SÖNMEZ
bulent.sonmez@toscelik.com.tr

TOSÇELİK Profil ve Sac
Tosçelik Profil ve Sac Endüstri A.Ş.
Organize Sanayi Bölgesi
80550 TOPRAKALE/OSMANİYE TÜRKİYE
T : +90 (326) 656 28 90 F : +90 (328) 825 99 88
Asım Günöz Y.M. 025 001 3021

These results are certified by TOSÇELİK 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" .