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MILL TEST CERTIFICATE

Certificate No : 1000282607
Page No : 6 / 26
Certificate Date : 18.11.2022
Inspection Certificate : EN 10204-3.1
Sales Document : 10564839
Shipment Number : 10000032500
Vessel Name : MV SEASTAR HAWK

DESCRIPTION OF GOODS:
ERW STEEL PIPE

USTUR

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
126	BPEC	3"X0,216"X21'	MB05971881	2207221	25.582	0.1299	0.5558	0.0106	0.0098	0.1903	0.1018	0.1001	0.0201	0.0044	ASTM A53/ASME SA53	B	50328	69618	35,4	2500	G	G	G	G	G	G
127	BPEC	3"X0,216"X21'	MB05971882	2207221	25.582	0.1299	0.5558	0.0106	0.0098	0.1903	0.1018	0.1001	0.0201	0.0044	ASTM A53/ASME SA53	B	50328	69618	35,4	2500	G	G	G	G	G	G
128	BPEC	3"X0,216"X21'	MB05971883	2207221	25.582	0.1299	0.5558	0.0106	0.0098	0.1903	0.1018	0.1001	0.0201	0.0044	ASTM A53/ASME SA53	B	50328	69618	35,4	2500	G	G	G	G	G	G
129	BPEC	3"X0,216"X21'	MB05971882	2207221	25.582	0.1299	0.5558	0.0106	0.0098	0.1903	0.1018	0.1001	0.0201	0.0044	ASTM A53/ASME SA53	B	50328	69618	35,4	2500	G	G	G	G	G	G
130	BPEC	3"X0,216"X21'	MB05971985	2207221	25.582	0.1299	0.5558	0.0106	0.0098	0.1903	0.1018	0.1001	0.0201	0.0044	ASTM A53/ASME SA53	B	50328	69618	35,4	2500	G	G	G	G	G	G
131	BPEC	3"X0,216"X21'	MB05973108	2207221	25.582	0.1299	0.5558	0.0106	0.0098	0.1903	0.1018	0.1001	0.0201	0.0044	ASTM A53/ASME SA53	B	50328	69618	35,4	2500	G	G	G	G	G	G
132	BPEC	3"X0,216"X21'	MB05973110	2207221	25.582	0.1299	0.5558	0.0106	0.0098	0.1903	0.1018	0.1001	0.0201	0.0044	ASTM A53/ASME SA53	B	50328	69618	35,4	2500	G	G	G	G	G	G
133	BPEC	3"X0,216"X42'	MB05826902	2208148	25.582	0.1181	0.5167	0.0136	0.0085	0.3311	0.1178	0.0991	0.0267	0.0012	ASTM A53/ASME SA53	B	47282	68187	36,5	2500	G	G	G	G	G	G
134	BPEC	3"X0,216"X42'	MB05826910	2208149	25.582	0.1181	0.5167	0.0136	0.0085	0.3311	0.1178	0.0991	0.0267	0.0012	ASTM A53/ASME SA53	B	47282	68187	36,5	2500	G	G	G	G	G	G
135	BPEC	3"X0,216"X42'	MB05826918	2208149	25.582	0.1181	0.5167	0.0136	0.0085	0.3311	0.1178	0.0991	0.0267	0.0012	ASTM A53/ASME SA53	B	47282	68187	36,5	2500	G	G	G	G	G	G
136	BPEC	3"X0,216"X42'	MB05826933	2208152	25.582	0.1095	0.4920	0.0107	0.0064	0.2993	0.0968	0.0583	0.0179	0.0019	ASTM A53/ASME SA53	B	47282	68022	35,3	2500	G	G	G	G	G	G
137	BPEC	3"X0,216"X42'	MB05826973	2208152	25.582	0.1095	0.4920	0.0107	0.0064	0.2993	0.0968	0.0583	0.0179	0.0019	ASTM A53/ASME SA53	B	47282	68022	35,3	2500	G	G	G	G	G	G
138	BPEC	3"X0,216"X42'	MB05826974	2208152	25.582	0.1095	0.4920	0.0107	0.0064	0.2993	0.0968	0.0583	0.0179	0.0019	ASTM A53/ASME SA53	B	47282	68022	35,3	2500	G	G	G	G	G	G
139	BPEC	3"X0,216"X42'	MB05826978	2208152	25.582	0.1095	0.4920	0.0107	0.0064	0.2993	0.0968	0.0583	0.0179	0.0019	ASTM A53/ASME SA53	B	47282	68022	35,3	2500	G	G	G	G	G	G
140	BPEC	3"X0,216"X42'	MB05826977	2208152	25.582	0.1095	0.4920	0.0107	0.0064	0.2993	0.0968	0.0583	0.0179	0.0019	ASTM A53/ASME SA53	B	47282	68022	35,3	2500	G	G	G	G	G	G
141	BPEC	3"X0,216"X42'	MB05826988	2208152	25.582	0.1095	0.4920	0.0107	0.0064	0.2993	0.0968	0.0583	0.0179	0.0019	ASTM A53/ASME SA53	B	47282	68022	35,3	2500	G	G	G	G	G	G
142	BPEC	3"X0,216"X42'	MB05826980	2208152	25.582	0.1095	0.4920	0.0107	0.0064	0.2993	0.0968	0.0583	0.0179	0.0019	ASTM A53/ASME SA53	B	47282	68022	35,3	2500	G	G	G	G	G	G
143	BPEC	4"X0,237"X21'	MB05968797	2228125031	25.582	0.1478	1.1200	0.0167	0.0054	0.0274	0.0038	0.0362	0.0010	0.0106	ASTM A53/ASME SA53	B	51343	73389	35,3	2210	G	G	G	G	G	G
144	BPEC	4"X0,237"X21'	MB05968798	2228125031	25.582	0.1478	1.1200	0.0167	0.0054	0.0274	0.0038	0.0362	0.0010	0.0106	ASTM A53/ASME SA53	B	51343	73389	35,3	2210	G	G	G	G	G	G
145	BPEC	4"X0,237"X21'	MB05968799	2228125031	25.582	0.1478	1.1200	0.0167	0.0054	0.0274	0.0038	0.0362	0.0010	0.0106	ASTM A53/ASME SA53	B	51343	73389	35,3	2210	G	G	G	G	G	G
146	BPEC	4"X0,237"X21'	MB05968800	2228125031	25.582	0.1478	1.1200	0.0167	0.0054	0.0274	0.0038	0.0362	0.0010	0.0106	ASTM A53/ASME SA53	B	51343	73389	35,3	2210	G	G	G	G	G	G
147	BPEC	4"X0,237"X21'	MB05968801	2228125031	25.582	0.1478	1.1200	0.0167	0.0054	0.0274	0.0038	0.0362	0.0010	0.0106	ASTM A53/ASME SA53	B	51343	73389	35,3	2210	G	G	G	G	G	G
148	BPEC	4"X0,237"X21'	MB05968802	2228125031	25.582	0.1478	1.1200	0.0167	0.0054	0.0274	0.0038	0.0362	0.0010	0.0106	ASTM A53/ASME SA53	B	51343	73389	35,3	2210	G	G	G	G	G	G
149	BPEC	4"X0,237"X21'	MB05968826	2228125031	25.582	0.1478	1.1200	0.0167	0.0054	0.0274	0.0038	0.0362	0.0010	0.0106	ASTM A53/ASME SA53	B	51343	73389	35,3	2210	G	G	G	G	G	G
150	BPEC	4"X0,237"X21'	MB05968828	2228125031	25.582	0.1478	1.1200	0.0167	0.0054	0.0274	0.0038	0.0362	0.0010	0.0106	ASTM A53/ASME SA53	B	51343	73389	35,3	2210	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 : PRE COA BLACK THRE&COUP PIPE

ASTM A53: 2022
ASME SA53: 2021

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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".