LIST OF INSPECTION AND TESTING FOR SHIPS TO BE BUILT UNDER THE SUPERVISION OF TÜRK LOYDU
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1. **TEKNE**

1.1. **TEKNE KONSTRÜKSİYONU**

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<th>No</th>
<th>Muayene ve Testler</th>
<th>Türk Loydu Gözetimi</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ana güvertenin üzerine kadar olan tekne bloklarının muayenesi (bloklarla ilgili yapımlar tamamlandıktan sonra)</td>
<td>X</td>
</tr>
<tr>
<td>2.</td>
<td>Bünyesel tankların ve ana güverte altında kalan mahallerin içten muayenesi (tanklarla ilgili yapımlar tamamlandıktan sonra)</td>
<td>X</td>
</tr>
<tr>
<td>3.</td>
<td>Tankların hidrostatik testleri (TL kurallarına göre)</td>
<td>X</td>
</tr>
<tr>
<td>4.</td>
<td>Perdelerin, güvertelerin ve giriş açıklıklarının hortum testleri</td>
<td>X</td>
</tr>
<tr>
<td>5.</td>
<td>Röntgen muayenesi</td>
<td>X</td>
</tr>
<tr>
<td>6.</td>
<td>Omurga layını</td>
<td>X</td>
</tr>
<tr>
<td>7.</td>
<td>Kalıp derinliğinin kontrolü (denize inşitten önce)</td>
<td>X</td>
</tr>
<tr>
<td>8.</td>
<td>Gemi dibinin kontrolü (denize inşitten önce)</td>
<td>X</td>
</tr>
<tr>
<td>9.</td>
<td>Gemi dibinin kontrolu (kuru havuzda)</td>
<td>X</td>
</tr>
<tr>
<td>10.</td>
<td>Meyil tecrübesi</td>
<td>X</td>
</tr>
<tr>
<td>11.</td>
<td>Fribord markası</td>
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</table>
1. **HULL**

1.1. **HULL CONSTRUCTION**

<table>
<thead>
<tr>
<th>No</th>
<th>Inspection and Tests</th>
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<tbody>
<tr>
<td>1.</td>
<td>Block inspection of hull structure up to main deck (incl.) (after completion of hull structural work on block)</td>
<td>X</td>
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<tr>
<td>2.</td>
<td>Internal inspection of hull structural tanks and spaces up to main deck (incl.) (after completion of hull structural work in tanks)</td>
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<tr>
<td>3.</td>
<td>Hydrostatic test of tanks (acc. to Türk Loydu Rules)</td>
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<tr>
<td>4.</td>
<td>Hose test for bulkheads, decks and access openings</td>
<td>X</td>
</tr>
<tr>
<td>5.</td>
<td>X-ray tests</td>
<td>X</td>
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<tr>
<td>6.</td>
<td>Keel line control (before launching)</td>
<td>X</td>
</tr>
<tr>
<td>7.</td>
<td>Measurement of moulded depth (before launching)</td>
<td>X</td>
</tr>
<tr>
<td>8.</td>
<td>Bottom inspection (before launching)</td>
<td>X</td>
</tr>
<tr>
<td>9.</td>
<td>Bottom inspection (at dry dock)</td>
<td>X</td>
</tr>
<tr>
<td>10.</td>
<td>Inclining test</td>
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<tr>
<td>11.</td>
<td>Freeboard marks</td>
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# 1.2. TEKNE DONATIMI

<table>
<thead>
<tr>
<th>No</th>
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<tr>
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<td></td>
<td>Üretim yerinde</td>
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<tr>
<td>1.</td>
<td><strong>KİK BODOSLAMA</strong></td>
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<tr>
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<td>- Malzeme kontrolü</td>
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<td>- İmalat kontrolü</td>
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<tr>
<td></td>
<td>- İşleden sonra kontrol</td>
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<td>- Layn kontrolü</td>
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<td><strong>DÜMEN</strong></td>
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<tr>
<td></td>
<td>- İşleme kontrolü</td>
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<tr>
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<td>- Layn kontrolü</td>
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<td><strong>DÜMEN ASKİ YATAĞI</strong></td>
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<td><strong>DÜMEN RODU</strong></td>
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<td>- Montaj kontrolü</td>
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<td><strong>DÜMEN İGNEKİĞİ ve İGNEČIK SOMUNU</strong></td>
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<td>6.</td>
<td><strong>DÜMEN KAPLİNİ CIVATA VE SOMUNLARI</strong></td>
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<td>7.</td>
<td><strong>DÜMEN MAKİNASI, YAN İTİCİLER</strong></td>
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<td>- Sertifikalandırma ile ilgili testler</td>
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<td>- Çalıştırma testi</td>
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<td>8.</td>
<td><strong>DEMİRLEME VE BAĞLAMA DONANIMI</strong></td>
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<tr>
<td></td>
<td>- Demir testi</td>
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<td></td>
<td>- Demir zinciri dayanım testi</td>
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<td>- Demir zinciri marka kontrolü</td>
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<td>- Demir ırğatı çalıştırma testi (demir alma)</td>
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<td>- Bağlama donanımı vinçleri çalıştırma testi (yüksüz)</td>
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<td>- Halat yük testleri</td>
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<td><strong>AMBAR VE KAPORTA KAPAKLARI</strong></td>
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<tr>
<td></td>
<td>- Ambar kapakları nihai kontrolü</td>
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<td>- Ambar kapakları hortum testi</td>
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<td>- Su geçirmez kaporta kapakları hortum veya basınç testi</td>
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### 1.2. HULL OUTFITTING

<table>
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<tr>
<td>1.</td>
<td><strong>STERN FRAME</strong></td>
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<td>- After boring inspection</td>
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<td><strong>RUDDER</strong></td>
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<td><strong>RUDDER CARRIER</strong></td>
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<td><strong>RUDDER STOCK</strong></td>
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<tr>
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<td>5.</td>
<td><strong>RUDDER PINTLE AND NUT</strong></td>
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<td>- Machining inspection</td>
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<td>6.</td>
<td><strong>RUDDER COUPLING BOLT WITH NUT</strong></td>
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<td>7.</td>
<td><strong>STEERING GEAR, BOW THRUSTERS</strong></td>
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<td>- Test related with certification</td>
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<td>8.</td>
<td><strong>ANCHORING AND MOORING ARRANGEMENT</strong></td>
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<td>- Anchor test</td>
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<td>- Anchor chain proof test</td>
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<td>- Windlass operation test (anchoring test)</td>
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<td>- Mooring winch operation test (no load)</td>
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<td>- Mooring proof tests</td>
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<td>9.</td>
<td><strong>CARGO HATCH COVERS AND SMALL HATCH COVERS</strong></td>
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<td>- Cargo hatch covers final inspection</td>
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<td>- Cargo hatch covers operation test</td>
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<td>- Cargo hatch covers hose test</td>
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<td>- WT hatch covers hose or hydr. test</td>
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<td>10.</td>
<td><strong>YÜK DONANIMI</strong> (İstek halinde)</td>
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<tr>
<td></td>
<td>- Direkler ve bumbaların yük testleri</td>
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<td>- Yük donanım elemanlarının yük testleri</td>
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<td>- Güverte kreylerinin yük testleri</td>
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<td>11.</td>
<td><strong>KAPILAR, LUMBUZLAR VE PENCERELE</strong></td>
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<tr>
<td></td>
<td>- Su geçirmez kapılardan (frıbord güv. altında) hortum testi</td>
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<td>- Pencere ve lumbuzların hortum testi</td>
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<td>12.</td>
<td><strong>CAN KURTARMA DONANIMI</strong> (yetki durumunda)</td>
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<td>- Filika mataforası yük testi</td>
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<td>- Filika matafora vinci yük testi</td>
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<td>- Can filikası nihai muayene</td>
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<td>- Can filikası çalıştırma testi</td>
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<td>- Can filikası kullanım testi</td>
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<td>- Can filikası markalarının kontrolü</td>
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<td>- Diğer can kurtarma donanımının markalarının kontrolü</td>
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<td>- Can sallarının şişirme testi</td>
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<td>13.</td>
<td><strong>BORU DEVRELERİ</strong> (makina dairesi dişti) (TL Kurallarına göre)</td>
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<tr>
<td></td>
<td>- Kargo, stripping, sintine ve balast devreleri basınç testi</td>
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<tr>
<td></td>
<td>- Kargo ve yakıt tankları istıma kangalları basınç testi</td>
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<td>- Yakıt transfer devresi basınç testi</td>
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<td></td>
<td>- Ambarlardaki sintine sisteminin emiş testi</td>
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<td>- Hava firar taşını ve iskandı devreleri basınç testi</td>
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<td>14.</td>
<td><strong>YANGIN SÖNDÜRME DONANIMI</strong></td>
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<tr>
<td></td>
<td>- Yangın pompası ve emercensi yangın pompası start ve çalıştırma (demo) testi</td>
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<td>- Köpüklü yangın söndürme sistemi çalıştırma (demo) testi</td>
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<td>- CO₂ ile yangın söndürme devresi basınç testi ve hava ile çalıştırma testi</td>
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<td>- Su ile yangın söndürme devresi çalıştırma (demo) testi</td>
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<td></td>
<td>- Yangından korunma ile ilgili SOLAS kuralları (yetki dahil) (yaşama mahalleri dahil)</td>
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<tr>
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</tr>
<tr>
<td></td>
<td></td>
<td>In shop</td>
</tr>
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</table>
| 10. | **CARGO GEAR**  
(Upon request) |       | X |
|    | - Mast and booms load test |       | X |
|    | - Load test of cargo gear components |       | X |
|    | - Load test of deck cranes |       | X |
| 11. | **DOORS, SIDE SCUTTLES AND WINDOWS** |       | X |
|    | - WT doors (below freeboard deck) hose test |       | X |
|    | - Side scuttles and Windows hose test |       | X |
| 12. | **LIFE SAVING ARRANGEMENT**  
(if authorized) |       | X |
|    | - Boat davit load test | X | |
|    | - Boat winch load test | X | |
|    | - Life boat final inspection | X | |
|    | - Life boat running test | X | |
|    | - Life boat handling test | X | |
|    | - Life boat identification of marking | X | |
|    | - Other life saving equipment identification of marking | X | |
|    | - Life raft inflation test | X | |
| 13. | **PIPING SYSTEMS**  
(out side engine room)  
(Acc. to TÜRİK LOYDU Rules) |       | X |
|    | - Cargo, stripping, bilge and balast systems pressure test |       | X |
|    | - Heating coil in cargo tank and fuel oil tank pressure test |       | X |
|    | - Fuel oil transfer system pressure test |       | X |
|    | - Bilge system in cargo hold by eductor suction test |       | X |
|    | - Air escape, overflow and sounding system pressure test |       | X |
| 14. | **FIRE FIGHTING ARRANGEMENT** |       | X |
|    | - Fire pump and emergency fire pump start and running 
(demo) test | X | |
|    | - Foam smothering system running (demo) test | X | |
|    | - CO₂ fire extinguishing system pressure test and operation 
test by air | X | |
|    | - Water fire extinguishing system running (demo) test | X | |
|    | - SOLAS regulations related with fire protection (within 
authorization) (incl. accommodation spaces) | X | |
### MAKİNA

<table>
<thead>
<tr>
<th>No</th>
<th>Muayene ve Testler</th>
<th>Türk Loydu Gözetimi</th>
</tr>
</thead>
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<td>Üretim yerinde</td>
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<tr>
<td>1.</td>
<td><strong>ANA MAKİNA</strong></td>
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<tr>
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<td>- Sertifikalandırma ile ilgili testler ve tecrübeler</td>
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<td>- Takoz alıştırılması kontrolü</td>
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<tr>
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<td>- Defleksin kontrolü</td>
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<td></td>
<td>- Seyir tecrübesi kontrolleri</td>
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<td>- Seyir tecrübesi sonrası kontroller</td>
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<td><strong>BUHAR VEYA GAZ TÜRBİNLERİ</strong></td>
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<td>- Takoz alıştırılması kontrolü</td>
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<td>- Merkezleme ayarı kontrolü</td>
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<td>- Diş temas muayenesi</td>
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<td>- Seyir tecrübesi kontrolleri</td>
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<td><strong>ŞAFT - PERVANE SİSTEMİ</strong></td>
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<td>- Pervane montaj kontrolü</td>
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<td>- Stem tüp yatakları son muayene (son işlemeyi takiben)</td>
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## 2. MACHINERY

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<td>- Kontrol sistemleri güvenlik düzenleri testi</td>
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|    | - Montaj sonrası yardımcı kazan ve ilgili teçhizatın:  
|    |   • basınç testi | X | X |
|    |   • genel kontrolü | X | X |
| 6. | **EGZOST GAZI KAZANI** |            |       |
|    | - Basınç testi | X |       |
|    | - Emniyet valfi çalışma testi | X |       |
| 7. | **DİZEL JENERATÖRLER** |            |       |
|    | - Sertifikalandırma ile ilgili testler ve tecrübeler | X |       |
|    | - Montaj kontrolü (defleksiyon kontrolü) | X |       |
|    | - Yük ve güvenlik düzenleri testleri | X |       |
| 8. | **TÜRKO JENERATÖRLER** |            |       |
|    | - Sertifikalandırma ile ilgili testler ve tecrübe | X |       |
|    | - Montaj kontrolü | X |       |
|    | - Yük ve güvenlik düzenleri testleri | X |       |
| 9. | **EMERGENSI JENERATÖRLER** |            |       |
|    | - Yük ve güvenlik düzenleri testleri | X |       |
| 10. | **POMPALAR** |            |       |
|    | - Sertifikalandırma ile ilgili testler | X |       |
|    | - Güvenlik düzenleri testleri (turbo pompalar için) | X |       |
| 11. | **HAVA KOMPRESORLERİ VE HAVA TÜPLERİ** |            |       |
|    | - Ana hava kompresörü  
|    |   • sertifikalandırma ile ilgili testler | X |       |
|    |   • emniyet valfi ve güvenlik düzenleri testleri | X |       |
|    | - Yardımcı hava kompresörü  
|    |   • sertifikalandırma ile ilgili testler | X |       |
|    |   • emniyet valfi ve güvenlik düzenleri testleri | X |       |
|    | - Ana ve yardımcı hava tüpleri  
<p>|    |   • sertifikalandırma ile ilgili testler | X |       |
|    |   • emniyet valfi testleri | X |       |
| 12. | <strong>ISI DEĞİŞTİRİCİLERİ</strong> |            |       |
|    | - Sertifikalandırma ile ilgili testler | X |       |</p>
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<td><strong>TURBO GENERATOR</strong></td>
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<td>- Load test and safety device test</td>
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<td>• safety valve and safety device test</td>
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<td>- Main and aux. air bottles</td>
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| 13.| **YAĞ VE YAKIT SEPERATÖRLERİ**  
- Sertifikalandırma ile ilgili testler                                           | X                  |
| 14.| **DİĞER DONANIM**  
- Yüksek basınçlı valflerin sertifikalandırma ile ilgili testleri  
  (kuralların gereklere göre)  
- Yangın söndürme donanımı  
- Emercensi sistemlerin çalıştırma testi  
- Makina dairesi tankları basınç testi                                           | X                  | X      |
| 15.| **BORU DEVRELERİ** (makina dairesi)  
(TL Kurallarına göre)  
- Yakıt devresi basınç testi  
- Sintine devresi emiş testi  
- Yağlama yağ devresi (basınçlı) basınç testi  
- Soğutma suyu devresi basınç testi  
- Basınçlı hava devresi basınç testi  
- Buhar devresi basınç testi  
- Besleme suyu devresi (basınçlı) basınç testi  
- Tank ısıtma kangalları basınç testi  
- Hava firar, taşıntı ve iskandil devreleri basınç testi | X                  | X      | X      |
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<td><strong>OIL PURIFIER AND OILY WATER SEPARATOR</strong>&lt;br&gt;- Test related with certification</td>
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<td>15.</td>
<td><strong>PIPING SYSTEM</strong> (in engine room)&lt;br&gt;(Acc. to TÜRK LOYDU Rules)&lt;br&gt;- Fuel oil system pressure test&lt;br&gt;- Bilge line suction test&lt;br&gt;- Luboil system (high pressure) pressure test&lt;br&gt;- Cooling water system pressure test&lt;br&gt;- Compressed air system pressure test&lt;br&gt;- Steam system pressure test&lt;br&gt;- Feed water system (high pressure) pressure test&lt;br&gt;- Tank heating coils pressure test&lt;br&gt;- Air escape, overflow and sounding systems pressure test</td>
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