

FD3 Amendment of Specifications

FINAL Mark Scheme 2023

<p>Claims Marks are awarded for the claim set as a whole including main, dependent and any divisional claims</p>	<p>35 Marks</p>
<p>Claim 1:</p>	<p>16 marks</p>
<p><u>Main Amendment:</u> ... the container (19) being expandable and secured in the upper region of the tank, with a means for filling [the container] with liquid cargo such that the container expands downwards on filling and collapses upwards on emptying. Claim can mention effects of the structure if properly presented. Reduced maximum mark for unnecessary limitations, e.g.:</p> <ul style="list-style-type: none"> - Container includes flexible membrane - Container includes rigid lid - Container is removable - Simultaneous filling and emptying <p><u>Other amendments</u>, if novelty established, e.g.:</p> <ul style="list-style-type: none"> - container when expanded has same shape/volume as tank - container contains oil (not ideal for apparatus claim) - Broadening claim to tank alone 	<p>max 14 max 12 max 12 max 12 max 10 max 7 max 12</p>
<p>Claim 8:</p>	<p>10 marks</p>
<p>Collapsible container is in the upper region of the tank and is filled/emptied from the top and in such a way that it is always full of liquid cargo/ contains no gas and expands downwards on filling and collapses upwards on emptying. [cover separate filling/emptying operations] Reduced maximum mark for unnecessary limitations, e.g.:</p> <ul style="list-style-type: none"> - simultaneous filling/emptying - Make dependent on claim 1 	<p>8 5</p>
<p>Dependent claims</p>	<p>Up to 9 marks</p>
<p>Adjustment of existing subclaims (e.g. correction of dependency of claim 3) Add dependent apparatus claims to useful features, e.g.:</p> <ul style="list-style-type: none"> - Rigid lid/cover 15 - Material of container 19 - Filling pipe 26 in cover - Clamped at flange 14 - Control means for adjusting flow to make sure membrane is supported - Upwardly extending vent tube 28 - Entire tank capable of being filled by collapsible container/ container has same volume - Tanker has several tanks <p>Add dependent method claims to useful features, e.g.:</p> <ul style="list-style-type: none"> - Cargo and ballast filled/emptied simultaneously so that the membrane is always supported (ballast fills space) - Pressurised filling with water to assist unloading oil - Occasional cleaning step in between voyages 	

