IPE — Performance Evaluation Software

for Marine Diesel Engines

- automatic evaluation of current engine performance
- easy collection, management and comparison of engine performance data
- performance graphs and reports show deviation and suggest actions to take
- clearly illustrated commercial calculations that allow to save money by reducing fuel and oil consumption
- ISO corrections
- automatic data transfer from EPM-XPplus or CCM Marine to IPE software

Application:
- for two- and four stroke diesel engines

Necessary components:
- EPM-XPplus or CCM Marine

ISO corrections

Saving potential

<table>
<thead>
<tr>
<th>Influence</th>
<th>SFDC saving potential</th>
<th>Daily fuel saving potential</th>
<th>Daily CO2 saving potential</th>
<th>Daily SO2 saving potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water temp COOLER in</td>
<td>0.3 kWh</td>
<td>157.4 kg/d</td>
<td>348.3 kg/d</td>
<td>9.0 kg/d</td>
</tr>
<tr>
<td>Ech gas pressure TC out</td>
<td>0.0 kWh</td>
<td>24.5 kg/d</td>
<td>53.9 kg/d</td>
<td>1.4 kg/d</td>
</tr>
<tr>
<td>Maximum pressure ENGINE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure engine room</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure drop across COOLER</td>
<td>0.8 kWh</td>
<td>419.2 kg/d</td>
<td>922.7 kg/d</td>
<td>23.9 kg/d</td>
</tr>
<tr>
<td>Suction pressure</td>
<td>0.2 kWh</td>
<td>94.5 kg/d</td>
<td>208.1 kg/d</td>
<td>5.4 kg/d</td>
</tr>
</tbody>
</table>
IPE - IMES Performance evaluation software for economic engine operation

The new IMES IPE software loads cylinder pressure data from EPM-XPplus or CCM Marine directly. It is designed to facilitate the collection, evaluation, management and comparison of engine performance data for marine diesel engines.

The chief engineer only needs to fill in the required information so the programme can do ISO corrections and compare against new-engine performance benchmarks. Performance graphs and reports give a quick status of an engine and suggest actions take for optimising engine condition. This enables extensive savings by reducing fuel and oil consumption as well as engine repairs caused by inadequately adjusted engines.

Scope of supply

IMES IPE software licence for one ship incl. one 2-stroke engine and four 4-stroke engines configured for main engine, incl. updates

Part no. W-8050