

IMES TPE - Performance Evaluation Software

for Marine Diesel Engines

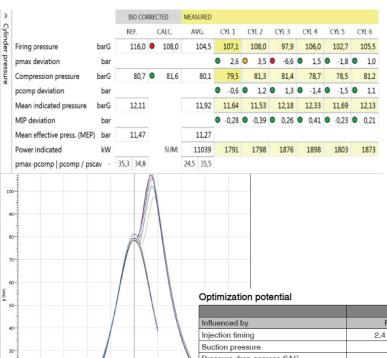
- automatic evaluation of current engine performance
- · easy collection, management and comparison of engine performance data
- performance graphs and reports show deviation and suggest actions to take
- clearly illustrated commercial calculations that allow to save money by reducing fuel and oil consumption
- automatic data transfer from EPM-XP to TPE software
- pressure curve analysis software module full integrated

Application:

• for any type or size of marine diesel engines

Necessary hardware:

• EPM-XP





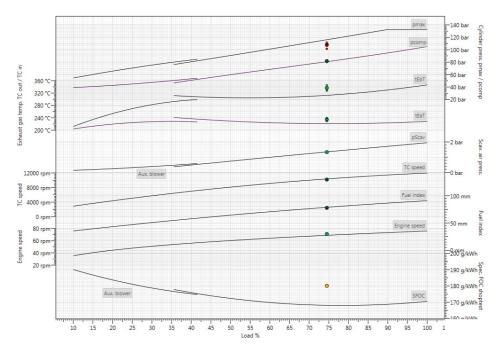
	Potential saving / reduction		
Influenced by	Fuel	Thermal load	Cylinder lub oil
Injection timing	2,4 g/kWh	3 °C	
Suction pressure			
Pressure drop accross SAC			
Water temp. SAC in (for setpoint 29°C)			
Scav. air temp. SAC out			
Press. drop accross ENGINE			
Exh. gas press. TC out			
Turbocharger efficiency	1,0 g/kWh	10 °C	
Light running (sea margin)			
Fuel oil viscosity ENGINE in			
TOTAL	3,4 g/kWh		0,14 g/kWh
TOTAL (% of current)	1,8 %		
TOTAL (absolute / 1000 run. hrs.)	36 t		1,452 t



IMES TPE - Performance evaluation software for economic engine operation

The new IMES TPE software loads cylinder pressure data from EPM-XP directly. It is designed to faciliate 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 program 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.



IMES TPE software licence for 2-stroke engine configured for main engine, incl. software updates IMES TPE software licence for 4-stroke engine configured for auxiliary engine, incl. software updates IMES TPE software licence for 2- and 4-stroke engines configured for main engine and auxiliary engines lncl. software updates

EPM-XP Electronic Indicator

Scope of supply

IW-1520

Part no.