

# AMERICAN PRESIDENT LINE

## IOLITE

American President Lines (APL) tested BOS Emulsified Fuel System on its vessel APL IOLITE with results of 2% fuel savings, confirmed by Lloyd's Register.



### TEST RESULTS BY LLOYD'S REGISTER

\* Lloyd's Register Report no.: SNG1304134

PARAMETER	81 RPM Average (g/kWh)	75 RPM Average (g/kWh)	73RPM Average (g/kWh)	73 RPM Average (g/kWh)
<b>TEST WITH FO</b> LCV Corrected SFOC based on Shaft Power	187.5	192.2	189.16	190.85
<b>TEST WITH EFS</b> LCV Corrected SFOC based on Shaft Power	183.83	189.72	183.23	185.47
<b>Percentage reduction</b>	<b>2.00%</b>	<b>1.30%</b>	<b>3.10%</b>	<b>2.80%</b>

Main engine performance test was carried out at 81 rpm, 75 rpm and 73 rpm using heavy fuel oil and emulsified oil from Emulsified Fuel System.

The vessel "APL IOLITE" IMO No. 9144756 is provided with following Main Engine: Mitsubishi Sulzer - 1 x 12RTA84C - UG, 12 Cyl. 840 x 2400, MCR: 48,631 kW at 102 rpm.

### FASTER PRESSURE RISE RATE WITH EFS

The test showed a marked increased in the heat release rate as evidence of the beneficial effects of secondary fuel atomization which is the primary reason for improvement of fuel efficiency.

