



**THERMOL TRIAL REPORT ON FURNACE # 4 – ALEXANDRIA PETROLEUM
COMPANY, ALEXANDRIA, EGYPT – 10.01.2017**

The Pre Trial (without THERMOL) has been conducted from 29th November 2016 to 17th December 2016 followed by Post Trial (with THERMOL) from 27th December 2017 to 5th January 2017; on Furnace # 4.

The Details of Furnace are as below:

Application	:	CDU Furnace
Capacity	:	20 Gcal
Fuel Used	:	Mazout
Fuel Consumption per day	:	67 Tons

Gist of the Key Parameters

PARAMETERS	UNIT	Pre Trial Average (Without THERMOL)	Post Trial Average (With THERMOL)	Improvement
Running Hours		8:01	7:11	
Total Crude Flow (A + B)	TPH	187.46	187.92	0.45
Mazout flow	TPH	2.832	2.744	3.12 %
GCV of Mazout	Mcal/Ton	10517.44	10516.01	
Crude Oil Inlet Temp.	°C	162.33	162.77	0.38
Crude Oil Outlet Temp.	°C	293.09	294.32	1.23
Crude Oil Temp. Diff (At)	°C	130.76	131.62	0.86
Cp. Of Crude Oil		0.74	0.74	
Sp. Heat Consumption Per Ton of Crude	Mcal/Ton	158.96	153.63	3.35 %
Direct Efficiency	%	61.08	63.72	4.32 %

For Alexandria Petroleum Company	For Abhitech Energycon Egypt Limited
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Dr. Hesham Hossny - AGM, Utility	Sanjeev Walde - Sr. Manager, Technical
Eng Sameh Dardery - Engr, Refinery Unit	Ajit Singh - Manager, Technical
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