KR Fuel Oil Change Over Program
Version 1.0

User's Manual

2014

Korean Register of Shipping

Index

1. Installation

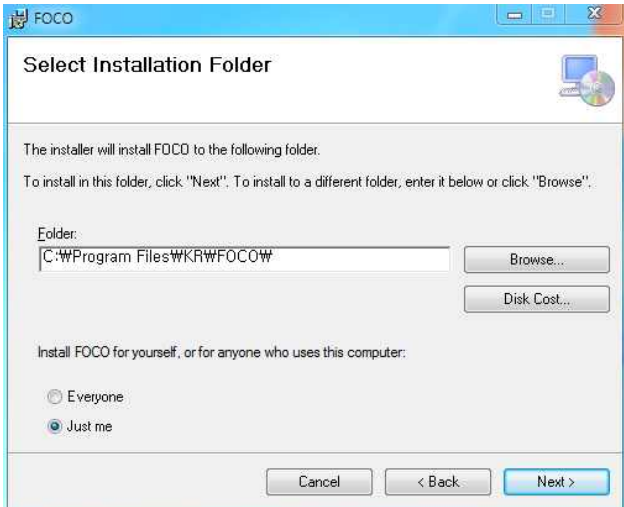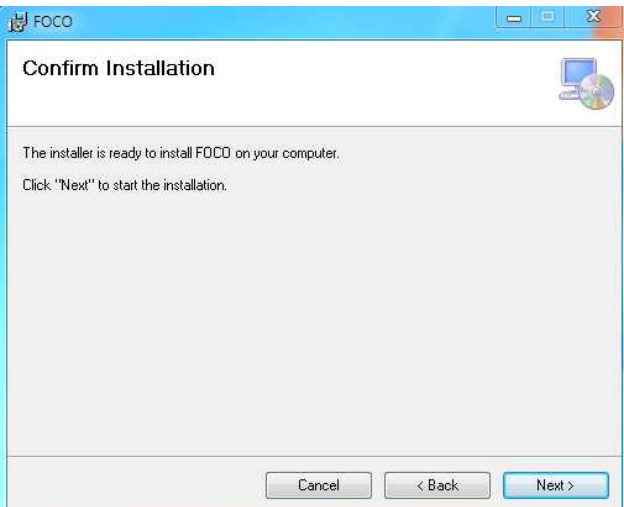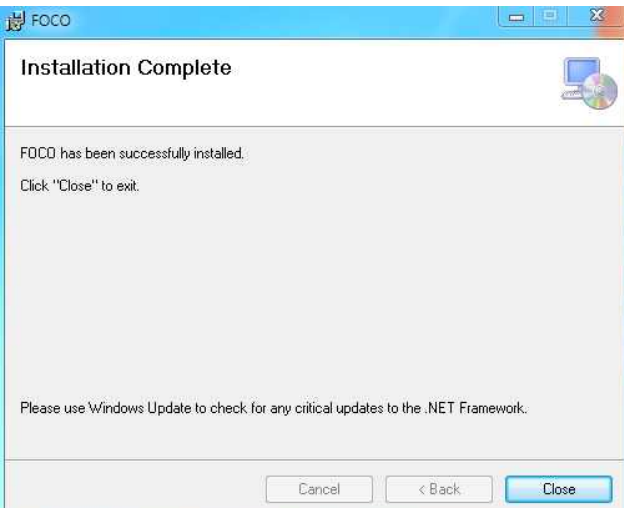1. Things to check before installation

    - This program is for Windows system only.
    - This program requires approximately 18.0 MB of hard disk space. Check your hard disk space before installation.
    - MS-Word program should be pre-installed.

 2. Installation
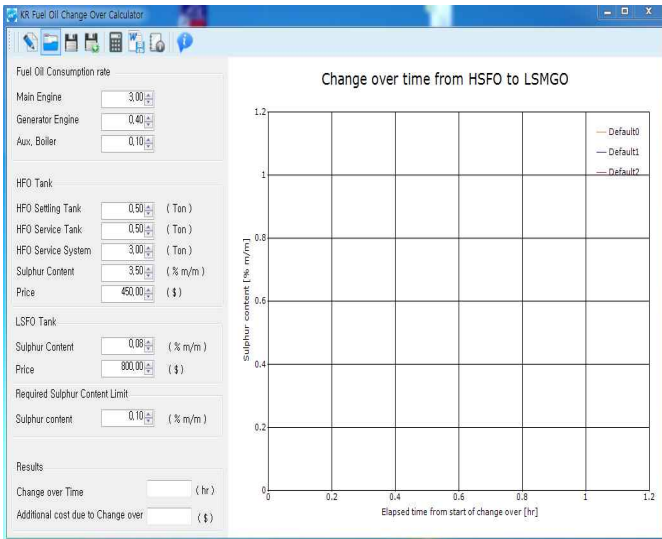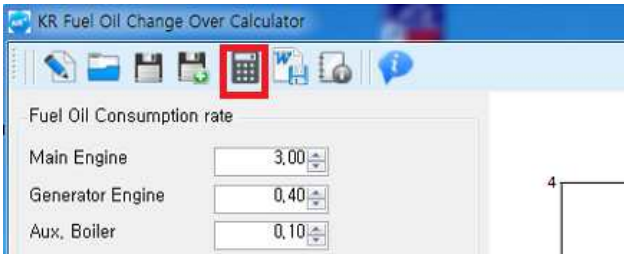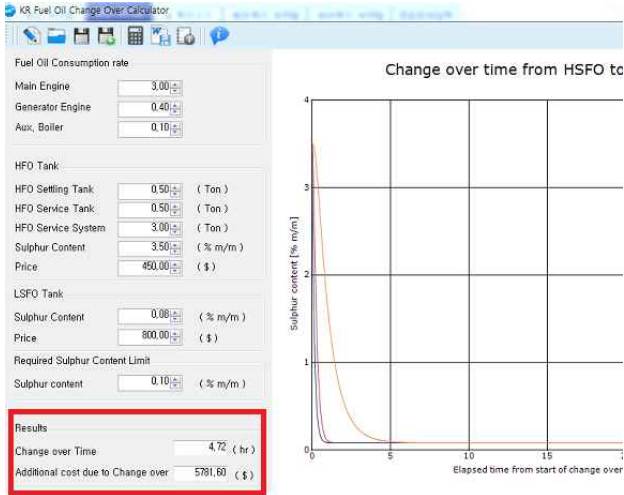
Installation	Instruction
	▶ Click "setup.exe". When following screen appears, click "Next".

Installation	Instruction
FOCO **Select Installation Folder** The installer will install FOCO to the following folder. To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse". Folder: C:₩Program Files₩KR₩FOCO₩ [Browse...] [Disk Cost...] Install FOCO for yourself, or for anyone who uses this computer: ○ Everyone ● Just me [Cancel] [< Back] [Next >]	▶ Click "Browse" to select the installation directory, then click "Next".
FOCO **Confirm Installation** The installer is ready to install FOCO on your computer. Click "Next" to start the installation. [Cancel] [< Back] [Next >]	▶ Click "Next" to start the installation.
FOCO **Installation Complete** FOCO has been successfully installed. Click "Close" to exit. Please use Windows Update to check for any critical updates to the .NET Framework. [Cancel] [< Back] [Close]	▶ Click "Close" when the installation is completed.

2. KR-FOCO Program User Guide

Program operation is as follow :

Status	Instruction
	▶ 1. Click the "KR-FOCO".
	▶ Ship Name: Enter the name of ship. ▶ Gross Tonnage : Enter the ship's Gross Tonnage. ▶ Class No. : Enter the ship's classification number. ▶ Flag : Enter the ship's flag. ▶ IMO No. : Enter the ship's IMO number. ※ Where ship information is not available, enter the Ship Name only.

Status	Instruction
	▶ Fuel Oil Consumption Rate Enter the F.O Consumption rate of Main Engine, Generator Engine and Aux. Boiler ▶ HFO Tank : 1) Enter the amount of the HFO Settling Tank, HFO Service Tank and HFO Service System including Piping System 2) Enter the Sulphur content and Price of HFO ▶ LSFO Tank : Enter the Sulphur content and Price of LSFO
	▶ 1. Click 🖩"Run Calculation".
	▶ Check the result of the calculation Max. Changeover Time : 24Hrs

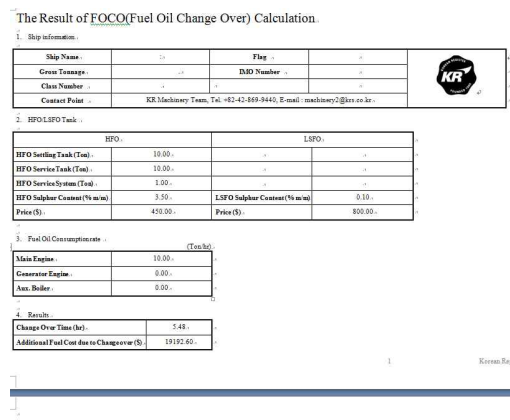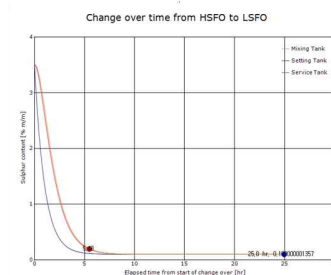| Status	Instruction
KR Fuel Oil Change Over Calculator Fuel Oil Consumption rate Main Engine 10.00 (Ton / hr) Generator Engine 0.00 (Ton / hr) Aux. Boiler 0.00 (Ton / hr) Change over time from HSFO to LSFO HFO Tank HFO Settling Ta HFO Service Ta HFO Service Sy Including Piping Sulphur Conten Price LSFO Tank Sulphur Conten Price Required Sulphu Sulphur content Results Change over Ti Additional cost Mixing Tank Export FOCO To MS Word File 바탕 화면 바탕 화면 검색 구성 ▾ 새 폴더 최근 위치 Templates 바탕 화면 라이브러리 문서 비디오 사진 음악 기본 AppData PWRCache 검색 라이브러리 기본 컴퓨터 네트워크 Bentley AutoPIPE 2004 유형: 바로 가기 ★송부 자료 파일 이름(N): xxx 파일 형식(T): DOC file (*.doc) 폴더 숨기기 저장(S) 취소	▶ Click "Export to word" to print the result calculation. ▶ Save the files
The Result of FOCO(Fuel Oil Change Over) Calculation. 1. Ship information. 	Ship Name		Flag		
Gross Tonnage		IMO Number		
Class Number				
Contact Point	KR Machinery Team, Tel. +82-42-869-9440, E-mail : machinery2@krs.co.kr			| 2. HFO/LSFO Tank. |	HFO		LSFO	
HFO Settling Tank (Ton)	10.00			
HFO Service Tank (Ton)	10.00			
HFO Service System (Ton)	1.00			
HFO Sulphur Content (% m/m)	3.50	LSFO Sulphur Content (% m/m)	0.10	
Price ($)	450.00	Price ($)	800.00		 3. Fuel Oil Consumption rate. (Ton/hr) 	Main Engine	10.00
Generator Engine	0.00
Aux. Boiler	0.00	 4. Results. 	Change Over Time (hr)	5.48
Additional Fuel Cost due to Changeover ($)	19192.60	 Change over time from HSFO to LSFO	▶ Result of calculation (Ms-Word format) appears.

The icon's function is described as follow

[Open]	a. Click the icon. b. When te [Open KR FOCO file] dialog box appears, select the folder you wish to choose from [Directory]. c. Select the file(*.xml) you wish to choose from the file list box. d. Click [Open]. The selected file will appear on the screen.
[Save]	a. Click the icon. b. When the [Save KR FOCO file] dialog box appears, choose a drive from [Directory]. c. In the file list window, select a folder in which the file is to be saved. d. Enter the file name in the [File Name] dialog box. e. Click [Save].
[Save as]	a. Click the icon. b. When the [Save as FOCO file] appears, enter a new name in the [File name] dialog box. c. Click [Save].