

CITY OF SEATTLE HUMAN RESOURCES DEPARTMENT

EXAMINATION ANNOUNCEMENT

for

FIREBOAT ENGINEER

Amended 4/26/2017

The written exam will be held on July 11th, 2017, time and location to be announced. Working exams will be held **September 25th-27th, 2017** (times and locations to be announced).

PROMOTION: Open to Seattle Fire Department employees who have three (3) years regular service under civil service appointment as a Fire Fighter and meet the following experience requirement which may be filled concurrently.

EXPERIENCE: Three (3) years (120 full shifts) assigned duty on the Seattle Fireboats. Possession of a current license as Merchant Marine Chief Engineer for motor vessels of 1500 horsepower or greater is desirable; two (2) years experience as a Chief Engineer on a vessel of at least 1500 horsepower with diesel or diesel-electric propulsion is also desirable.

LICENSES OR OTHER REQUIREMENTS: A valid State of Washington driver's license is required for employment.

DELAYED ELIGIBILITY: Fire Fighters with one (1) year experience (40 full shifts assigned to the fireboats) as of December 15, 2017 may apply for later eligibility. ***CANDIDATES WILL BE REQUIRED TO SUBMIT DOCUMENTATION OF COMPLETED SHIFTS AT TIME OF APPLICATION.**

THE GENERAL SCOPE OF THE EXAM WILL BE COMPOSED OF THE FOLLOWING, BUT NOT LIMITED TO: Pumps, motors, electricity/testing equipment, fuels and lubricants, the operation, maintenance and repair of diesel engines, generators, auxiliary machinery and equipment, and the systems and piping arrangements of Fire Boats #1, #2, #3 Chief Seattle and #4 Leschi (specific questions will deal with the machinery of the Seattle Fireboats)

BIBLIOGRAPHY: **None.** Test questions may not all be drawn verbatim from the following sources, however, each source listed is an appropriate, useful study guide.

STUDY GUIDES: (All books and manuals available at Station 5, Engine 4 office.)

- Caterpillar C18 Operation and Maintenance Manual SEBU8245-04
- Caterpillar C18 Marine Power Display Operators Guide
- MTU Series 10V 2000 Series M92, M93 Operating Instructions
- MTU V 2000 M93 Maintenance Schedule
- MTU Series 8V 4000 M71 Operating Instructions M015412/02E
- MTU Series V 4000 Maintenance Schedule M050486/04E
- Hamilton Jet HJ364 Installation and Service Manual
- Leschi Switch Board Sequence of Operation 940748 Revision A 4/25/06

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- ZF Marine Gear Operating Instructions 350, 500, 3000, BW 460
- Northern Lights Lugger OM2-2 Operators Manual for M1066T, M1064T
- Kaeser Screw Compressor Model SX Service Manual
- Champion Air Compressor Model R15B Operation and Maintenance Manual
- Foam Pro System 3012 Installation and Operation Manual
- Durst Hydraulic Pump Drive Service Manual
- Coastal Marine Equipment Capstan Instruction Manual
- Key Power KP 22/16 Hydraulic Thruster and Installation and Operation
- AutoNav Electro Hydraulic Steering Operations and Service Manual
- PMC Omni Chief Series 8003-1000 Instruction Manual
- Wynn 1800 “Seahorse” Wipers Installation and Maintenance Manual
- Fireboats #1, #2, #3 Chief Seattle and #4 Leschi
- ProSine 2.5/3.0 ACS Panel Owner Manual
- Fire Fighting Systems Operations Manual Doc.# FFS003-41-070
- Kobelco Eagle EVKZ Stern Tube Seal Installation Manual
- Electro Guard Cathodic Protection System Installation and Operation Manual
- Workboat Engineer, Revised Edition “D”/Marine Education Textbooks, Books 1 and 2, Chapters 2, 4, 5, 7, 9, and 13

If you have any questions, please call Jessica Kennedy at 615-0581.