

OPERATIONS BULLETIN #37

Subject: *Cal OES Model 18's – HME-SFO Custom*

Cal OES Engines #314 – 338 Features, Maintenance, Resupply, and Staffing

HME-SFO Custom Wide Cab/Chassis; Air Conditioned
Allison World Transmission
Jacobs Engine Brake
800 Gallon Water Tank
FoamPro 1600 Class A Foam System
Thermo-Gel
Hale Fyr-Flote floating pump
Rescue body
Ladders in tunnel through water tank
Lightweight, Corrugated Hard Suctions
Scene Lighting Package with 12 volt telescoping floodlights
1000 Watt Portable Generator
Type 3 (light) Urban Search & Rescue Equipment Package

Due to the increased capabilities of these units, there are some operational, as well as logistical issues that must be addressed by engine assignees. These issues fall into three areas: Maintenance, Resupply, and Staffing.

MAINTENANCE

Class A Foam System - the inclusion of the Class A Foam System requires extra maintenance in terms of monthly inspection and cleaning of foam screens, and yearly draining and refilling of pump oil with SAE 30 weight non-detergent oil. The instructions for both operation and maintenance of the Class A Foam System can be found in **FoamPro Form # 820, SYSTEM 2001 INSTALLATION & OPERATION MANUAL** furnished with the unit.

Generator - consult **Honda Power Equipment Owners Manual EU1000i**, Page 39, for maintenance schedule.

Chain Saw - consult **STIHL Owners Manual**, page 24 for fuel mixing (brand name unleaded gasoline and STIHL two stroke engine oil @ 50:1). Chain oil should be SAE 30.

Hale Fyr-Flote – consult **HALE Owner's Manual**, page 10 for fuel mixing (brand name unleaded gasoline and any quality outboard motor oil @24:1).

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RESUPPLY

Certain items associated with both the Class A Foam System and the US&R Cache will either need to be replaced or resupplied as they wear out or are consumed. The following list reflects these items and responsibility for replacement or resupply:

ITEM	RESPONSIBILITY
Class A Foam Concentrate*	Engine Assignee / Incident
Thermo-Gel	Engine Assignee / Incident
2 cycle oil / bar oil	Engine Assignee / Incident
US&R software	Engine Assignee / Cal OES**
Life Safety Ropes	Engine Assignee / Cal OES***

* FoamPro recommends that only the following Class A Foam Concentrates be used in their systems: Angus FOREXPAN Forestry Foam, Ansul SILVEX, Chemonics FIRETROL 103 and 103B, Chemonics FIRETROL 104 (for cold temperature applications), MONSANTO 881. **DO NOT USE ANY OTHER PRODUCTS IN THE FOAMPRO SYSTEM.**

** **Damage** - If damaged on a local government incident, assignee replaces; if damaged on a state mobilization, Cal OES replaces.

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*** **Worn Out** - Cal OES replaces.

Assignees shall comply with all requirements of NFPA 1983, Standard on Fire Service Life Safety Rope and System Components, 1995 Edition. Rope Record Logs shall be kept on all life safety ropes and rope reuse shall be permitted only after the conditions as set forth in NFPA 1983, Section 3-6.1.2 have been met.

STAFFING

In order to utilize the Type 3 US&R tool complement and to meet ICS typing, all personnel staffing this unit shall have successfully completed Rescue Systems I as certified by the California State Fire Marshal, or have completed an equivalent course that meets or exceeds Rescue Systems I Curriculum.