

**PERFORMANCE WORK STATEMENT (PWS)
 COMMANDER FLEET LOGISTICS CENTER PEARL HARBOR (FLCPH)
 PWS FISC FUELS HERZOG, ISL, ALCOR, TANAKA, PRECISION SCIENTIFIC, PETROTEST, COMPASS AND
 LAWLER EQUIPMENT SVC**

1.0 BACKGROUND

1.1 Fleet Logistics Center Pearl Harbor (FLCPH) is one of six regional supply centers providing integrated logistics support to the Navy in six major areas: Material Management, Terminal Services, Contracting, Fuels, Personal Property and Mail. FLCPH supports 30 home port vessels, 35 shore commands, other DOD activities and the largest employer on the island of Oahu-Pearl Harbor Naval Shipyard. The FLCPH Fuels Department mission is to store, manage and deliver fuels to support the needs of the Pacific Fleet. This includes operating and maintaining infrastructure to support its mission.

2.0 SCOPE/OBJECTIVE

2.1 FLCPH seeks a contractor to perform comprehensive preventative maintenance service on Culture Instruments, Herzog, Tanaka, ISL, Alcor, Koehler equipment under its control. All equipment, labor and material to perform the work shall be provided by the contractor.

2.2 Semi-annual and Annual preventative maintenance, calibration and certification and certification service is required on the following equipment located at FLCPH Fuels Laboratory, Pearl Harbor, Hawaii:

CULTURE INSTRUMENTS:

MFR	Model Number	Description	Serial Number	Base Year Price	Option Year I	Option Year II
Herzog	HMV 472	Auto Viscometer	34720056			
OptiDist	OptiDist	Distillation Unit	5605			
ISL	AD86 5G	Distillation Unit	2314			
Tanaka	APM-7	Flash Point Detectors	21382			
Tanaka	APM-7	Flash Point Detectors	21383			
Tanaka	APM-7	Flash Point Detectors	21384			
Tanaka	APM-7	Flash Point Detectors	21385			
Tanaka	APM-7	Flash Point Detectors	21386			
Tanaka	APM-7	Flash Point Detectors	21387			
Tanaka	APM-7	Flash Point Detectors	21388			
Herzog	MP-329	Flash Point Detectors	94329824			
Herzog	MP-329	Flash Point Detectors	963291071			
Herzog	MP-329	Flash Point Detectors	94329806			
Herzog	MP-329	Flash Point Detectors	993291464			
Herzog	MP-329	Flash Point Detectors	92329445			
Herzog	MP-329	Flash Point Detectors	92329527			
Herzog	HFP 362	TAG Flash Point Detector	0236M0656			
Tanaka	ACO-T602	Open Cup Detector	86946T			
Koehler	K27100	Furnace	R03179148-G			
Koehler	K60002	Centrifuge	R08319156A			
Alcor USA	JFTOT IV	Jet Fuel Thermal Oxidation Tester	14C-1462			
Alcor USA	JFTOT III	Jet Fuel Thermal Oxidation Tester	750-0646			
Total				\$0.00	\$0.00	\$0.00

3.0

PERFORMANCE REQUIREMENTS

3.1

The Contractor shall perform all necessary tasks described in this PWS. This includes:

a. Performing all Original Equipment Manufacturer's (OEM) recommended preventative maintenance (PM) procedures and diagnostics, to ensure reliable and continuous performance of equipment within tolerances and specifications of the manufacturer. PM includes incidental parts replacement, as required to maintain equipment operability and performance. The contractor shall submit to the Technical Point-of-Contact (TPOC) a Preventative Maintenance Check list for each instrument serviced. Each check list shall be unique to each instrument type.

- Herzog: HVM472 Auto Viscometer: Internal/external cleaning as needed, check Right and Left Baths; level, over temp sensor, heater 1-3 resistance within limits, power supply within limits for 5, 15 and 24VDC, bath temperature measurement circuit calibration, NTC 1-4 within limits, sample management system diagnostics, valve 1-11 operation, vacuum pump operation; solvent pump and air pump operation.
- Herzog: OptiDist Atmospheric Distillation: Internal/external cleaning as needed, flush and refill cooling system, verify and/or calibrate; volume measurement system, vapor temperature measurement circuit, ambient pressure measurement sensors, power supply within limits for 3.3, 2.5, 5, 12 and 24VDC, system tempering test, verify operation of receiver/exchanger temperature probes, clean/verify and calibrate Optimizer©, align flask/cylinder supports and verification test with secondary working standards. If local safety permits – Verify operation of system safety fire sensor and emergency off button.
- ISL: D86 5G2 Atmospheric Distillation: Internal/external cleaning as needed, verify and/or calibrate; volume measurement system, vapor/condenser/receiver temperature measurement circuit, ambient pressure and temperature measurement sensors, power supply within limits for 24VDC, sample heating control circuit within limits, optical barrier feedback within limits and verification test with secondary working standards. If local safety permits – Verify operation of system safety fire sensor and emergency off button.
- Tanaka: APM-7 Automated PM Flashpoint: Internal/external cleaning as needed, verify power supply within limits for 24VDC, (if installed) perform gas leak check, adjust filament output as needed, verify stirring/heating controls within ASTM limits, verify and offset as needed for sample temperature measurement circuit and ambient pressure sensor (if installed), and verification test with secondary working standards.
- Herzog: MP329 Automated PM Flashpoint: Internal/external cleaning as needed, verify power supply within limits for 5, 15 and -15VDC, verify stirring/heating controls within ASTM limits, verify and offset as needed for sample temperature measurement circuit and ambient pressure sensor, and verification test with secondary working standards.
- Herzog: HFP362 Automated Tag Flashpoint: Internal/external cleaning as needed, verify power supply within limits for 5, 15 and 24VDC, verify heating controls within ASTM limits, verify and verify and offset as needed for sample temperature measurement circuit and ambient pressure sensor, and verification test with secondary working standards.
- Tanaka: ACO-T602 Automated COC Flashpoint: Internal/external cleaning as needed, verify power supply within limits for 5, 12 and -12VDC, adjust filament output as needed, verify heating controls within ASTM limits, verify and offset as needed for sample temperature measurement circuit and ambient pressure sensor (if installed), verify carousel operation and verification test with secondary working standards.
- Koehler: K27100 Ramsbottom Carbon Residue Tester: Internal/external cleaning as needed, calibrate temperature controller and verify furnace operation within limits.
- Koehler: K60002 Centrifuge: Internal/external cleaning as needed, verify power supply within limits for 48VDC and calibrate temperature controller.
- Alcor USA: JFTOT III/IV Jet Fuel Thermal Oxidation Tester: Internal/external cleaning as needed, replacement of manufacturer specified maintenance components, power supply within limits for 3.3, 5, 12, 21, 24 and 48VDC, fuel system cleaning, sample/bus-bar thermocouple and

circuit zero, heater tube thermocouple two point temperature measurement calibration, check System/Differential(DP) Transducers are zeroed and within limits, DP transducer standardization, system pressure measurement verification, pump flow rate control verification, power level required to control stable at 260C and record final fuel spent volume.

- b. Telephone and technical service support during normal business hours.
- c. Provide any software and firmware updates as required.

3.2 **WORKMANSHIP:** The Contractor shall perform all work in a professional manner with skilled personnel that are trained and certified to work on the culture of instruments listed.

3.3 **REPORTS:** The contractor shall provide field report, no later than five (5) business days after performance, which shall describe the PM performed, any parts replaced and operational test results of equipment to ensure that equipment is performing within OEM tolerances and specifications. This report may be combined with the PM Check list described in paragraph 3.1 above.

3.4 **TRAVEL:** Travel up to two (2) trip maximum during the contract period is required for routine PM services. All travel shall be in accordance with the Department of Defense (DOD) Joint Travel regulations or JTR. Contractor shall furnish receipts/invoices related to travel and per diem upon request of the contracting officer or technical point of contact.

3.5 **SERVICE DELIVERY SUMMARY TABLE A**

PRIMARY PERFORMANCE REQUIREMENT	PWS Paragraph	NOTES	PERFORMANCE THRESHOLD
1. Perform all tasks as described in this PWS	Paragraph 3.0		100% delivery and compliance.
2. Provide a field report after PM is completed	Paragraph 3.3	Within five (5) business days of PM	100% delivery and compliance.

4.0 **Additional Repair Work**

- 4.1 If additional repair work is necessary to complete the PM, the Contractor shall submit a quote to the Contracting Officer for the additional parts, repairs, and travel (if travel is necessary). After, pricing has been determined fair and reasonable a modification to the contract will be issued for the additional work.
- 4.2 Additional repair work should not exceed two (2) incidences per period of performance.

5.0 **QUALITY ASSURANCE**

5.1 The Contractor shall be responsible for implementing and maintaining a Quality Control Plan (QCP) to ensure that the work performed meets or exceeds contract requirements and results in the correction of potential and actual problems. The QCP shall be implemented on the first day of contract performance and a copy of QCP shall be provided to the TPOC prior to contract performance.

- a. The QCP shall outline the Contractor's plan to ensure the quality of performance requirements as outlined in this PWS. The QCP shall address what will be reviewed and shall outline actions to be taken by the Contractor, should the review(s) identify areas requiring remedial action.
- b. The Contractor shall keep records of any inspections and corrective actions taken, as outlined in the QCP and shall make such records available to the TPOC upon request.

5.2 **Periodic Progress Meetings:** The TPOC and/or other Government personnel, as appropriate, may meet periodically with the Contractor to review the Contractor's performance. At these meetings, the TPOC will apprise the Contractor of how the government views the Contractor's performance and the Contractor will apprise the government of Problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These meetings shall be at no additional cost to the government.

6.0 **GOVERNMENT FURNISHED PROPERTY AND SERVICES**

- 6.1 **GENERAL:** The Government will not provide any material, services, equipment or facilities to the Contractor.
- 6.2 **UTILITIES:** The Contractor may utilize existing facility electrical outlets to perform work. However, the Contractor shall be responsible for any damages that may result from the operation of Contractor's equipment.
- 6.3 **RECORDS, DOCUMENTS AND WORK PAPERS:** The government will not provide technical information, technical reference manual and/or drawings of systems or equipment.

(6) V, Freight and Shipping ONLY.

**The contractor is required to completely fill in all required data fields using the following web address
<https://doncmra.nmci.navy.mil>.**

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk, linked at <https://doncmra.nmci.navy.mil>.