Philip Larson

11817 Garnett Lane
Victorville, California 92392
909-455-5183

phil@oceanfrontengineering.com

Objective

Quality assurance engineering assignments that utilize my skills in mechanical engineered equipment for refineries, offshore platforms, nuclear plants and commercial installation of all types. Special emphasis in QA witness of Performance Testing, String testing, Vibration analysis for all Rotating equipment. Equipment includes: Large Pumps, motors, compressors, lube oil systems, ASME pressure vessels, skids, structural equipment and research and development laboratories. Computer skills are highly regarded and familiar with all modern and high-tech applications.

Work Experience

Vice President Engineering

1/2006 – Present: Oceanfront Engineering Inc.

- The primary functions Include Witness of inspections, testing, expediting, non destructive testing and third party activities as related to API pumps, NEMA motors, API compressors, gas turbines, steam turbines, ANSI piping, ASME pressure vessels, TEMA heat exchangers, Bently Nevada vibration gear, API valves, lube oil systems, submersible equipment and all operations associated with factory acceptance testing. Analyze performance data and conduct surveillance operations for various clients including Oceanfront Engineering, Shell Offhshore, Conoco, UOP Engineers, Amerada Hess, BP-ARCO, HHI, Fluor, Bechtel, KBR and Chevron.

Senior Test Engineer (Laboratory)

3/1976 – 6/2005: ITT Industries-Goulds Pumps

- Conducted over 10,000 factory acceptance tests, performance testing, net positive suction head testing, vibration analysis and test evaluations, wrote all testing programs, maintained test schedules and performed in house inspections on all MRB board and NCR processes to solve mechanical and testing problems.
- Worked with several fortune 500 clients in the engineering and inspection fields for over 31 years in the rotating equipment industry. Well versed at API-610 code, ANSI B31.3 pipe code, ASME Vessel codes, ISO-9000 directives.
- Perform and investigative analysis of design for major onshore and offshore pump facilities of all types and conducted research and development for high tech rotating equipment projects. Compile and analyze all engineering information related to vibration spectra, hydraulic data and observed all safety and ISO 9001-2000 requirements. Witness inspections, non-destructive testing, and performance testing for sub-sea and top side motors, pumps and piping.

Test Technician

2/1974 - 2/1976: Byron Jackson Pumps Inc. (Now Flowserve Pumps)

- Responsible for all testing operations inclusive of Performance, NPSH, vibration spectra, instrument calibrations and installation into the various test pits. Performed design and engineering analysis for large firewater pumps, crude oil pumps, high pressure, specialty pumps and motors of all types. Materials of construction including: stainless steel, monel, duplex and super duplex, hastelloy, zirconium and carbon steel materials.

Education

9/1969 - 9/1971: Cal Poly Pomona-Pomona, California, Graduate

- College Coursework Completed for Electrical/Industrial Engineering

8/1965 - 6/19698: Sunny Hills High School, Fullerton, California

- High School Graduate
- Engineering and science preparatory coursed for College

Skills

Ability to interpret all rotating equipment analysis for factory acceptance testing, vibration analysis, orbital modes, test facility operations, wiring, electrical hookups, ISO-9000 quality assurance requirements and general engineering operations.

Skilled at interface with clients and vendors to facilitate expediting and inspection witness points as requested by the Client. Mechanical, electrical and rotating equipment are the strong points with emphasis on R & D projects and Offshore & Refinery projects.

Ability to work with project engineers to resolve problems and identify any shortcoming of quality assurance and testing techniques and system operations. Worked numerous pump and motor project for a wide variety of Clients over the 31 year history in the rotating equipment industry for nuclear, refinery, chemical plant, offshore and government operations.

Exceptionally skilled in all computer applications including: Excel, word, powerpoint, Cadcam and worked with many different codes including API, ANSI, ASTM, NFPA20 and the ASME codes.