Caterpillar LPD, Lafayette Engine Center, Manufacturing Engineer Contractor

JOB PURPOSE: To assist technical services management by performing technical analysis of manufacturing processes, systems, relevant documentation including PFMEA, SFMEA, Control Plans, and other related process support and improvement activities.

JOB DUTIES: This is a staff assignment that, independently or as part of a team, is involved in the ongoing support and improvement of processes and systems used in the manufacture of core large engine components including blocks, crankshafts, connecting rods and cylinder heads. The individual will utilize Advanced Product Quality Planning (APQP), Low Cost Producer and Lean manufacturing principles as they support the value stream.

This is a fully functioning journey level position, for a candidate with a varied amount of manufacturing experience, who may obtain assistance from a more experienced senior level person where needed. A wide variety of relevant tasks can comprise this role, including the following examples. Troubleshoots day-to-day process problems, initiates solutions, and follows-up to evaluate effectiveness of changes to ensure practical machining, processing and moving of production material within the machine shop value streams. Analyzes engineering change notices, determines any part or process change, initiates and implements all changes. Interacts on a daily basis with value stream team members to continually improve value stream performance, as aligned with established objectives.

Provides analysis and recommendations needed to allow manufacturing to produce the engineering product designs. Provides effective communication and services in solving production problems or pursuing operations improvements. Simulates present and future machine lines and cells to predict line flow problems and makes recommendations for implementation.

Adheres to established standards, policies and practices relating to safety, quality, velocity and cost in performing assigned duties.