



QC and Lab Manager

Nanotech Industrial Solutions Inc. is the exclusive manufacturer of Inorganic Fullerene-like Tungsten Disulfide nanoparticles and is involved in developing next generation additives for metalworking fluids, lubricants, greases and coatings based on the inorganic WS₂ particles. NIS has its global corporate office, R&D lab and manufacturing facility at Avenel, NJ. The Research and Development Division is currently expanding and is looking for product development Scientist/Engineers/Technicians to join the team.

Lubricating oils and greases is a constantly growing market (over \$100 billion as of 2012) with a global consumption over 90 billions of pounds. This is a great opportunity for a right candidate to join successful company with unique competitive product in fast growing market.

The candidate should provide hands on QC, industrial lubricants, greases, gear oil, chain oil testing experience. The candidate should have excellent knowledge of laboratory equipment (viscometers, rheometers, ICP, tribometers, FTIR, PSD etc). The candidate will work in a team manufacturing, R&D and QC to ensure products meets highest standards and customer's requirements.

Primary duties and responsibilities include but not limited to:

- Provide QC tests for incoming and outgoing materials
- Tribological and rheological testing (ASTM, ISO, DIN standards)
- Maintaining test logs, SOPs, safety and technical datasheets.
- Experimental design, modeling, data analysis
- Comply with safety regulations and environmental standards
- Implementation ISO9001 standard and management
- Understanding on industrial lubricants (gear oils, chain oils etc.), oil additives, greases design and formulation
- Understanding of lubricant market and technology

Skills and Expertise

- BS (Chemistry, Chemical Engineering, Material Science, Petrochemical Engineering) with 7+ years experience, MS with 4+ years of experience or PhD
- Experience in grease, industrial oils and lubricants design and testing
- Experience in grease, industrial oils and lubricants formulations is a plus
- Experience in surface chemistry, material analysis
- Knowledge of drilling fluid (drilling mud) formulation, design and testing is a plus
- Ability to convey technical concepts/ideas in clear and effective manner, verbally and in writing
- Self-motivated, ability to work under general supervision and in a team
- Knowledge + familiarity with following equipment: ICP, oxidation bath, dropping point,, profilometer, tribometer, rheometer, viscometers

Please email your resume to maria@nisusacorp.com