

# Resume

<p><b>V. Ravindran Pillai</b></p> <hr/> <p><b>Permanent address:</b>          28, "SIVARAM HOMES" S K NAGAR, CHETTIAR          AGARAM ROAD, VANAGARAM, CHENNAI -600077          INDIA.          Phone No.+91 4448606616          Mobile +91 8939549325</p>	<p>45 Years experience in various fields of chemistry especially 38 years in Lubricants ,Greases, MWF &amp; Cleaners for industry in QA/R&amp;D/Production/Technical Service depts. Fully Capable of developing any lubricants, Greases &amp; MWF</p> <p>Email: <a href="mailto:vravindran_pillai@outlook.com">vravindran_pillai@outlook.com</a>  <a href="mailto:inrapillai@gmail.com">inrapillai@gmail.com</a>  <a href="https://www.linkedin.com/pub/ravindran-pillai/16/561/a44/">linkedin : in.linkedin.com/pub/ravindran-pillai/16/561/a44/</a></p>
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<b>Objective</b>	Seeking an opportunity to serve in Lubricants & Greases industry for <b>R&amp;D/QA/Production/Tech Services</b>
<b>Education</b>	Graduate : B.Sc (Chemistry) in 1979 Under University Of Madras.
<b>Companies worked</b>	<p>Presently working as a consultant for the Technical Formulation/ NPD in India and Abroad</p> <p>Working as a Technical Consultant Full Time in <b>Primee Silicones Chennai Pvt Ltd, Chennai past 6 years</b></p> <p><b>Core Areas of my Primee Silicones venture</b></p> <ol style="list-style-type: none"> <li>1. Speciality Greases – Synthetic and Conventional</li> <li>2. Metal Working Fluids -Neat Oils and Water Soluble</li> <li>3. Mould Releasing Agents</li> <li>4. Various Cleaners and Metal Finishing Compounds</li> <li>5. Rust Preventive Oils and Additives (Solvent, water Based , Asphalt and Oil Based)</li> <li>6. Aerosols</li> <li>7. Silicone Grease and Silicone Compound</li> <li>8. Automotive Speciality greases for Brake Caliper- Red Rubber Grease</li> <li>9. Fuchs Renolit RHF1, Renolit 150M Equivalent</li> <li>10. Kluber Arosta 471 Equivalent</li> <li>11. Kluber Fluid 9R 100</li> <li>12. Henkel Polyquasol 7160 Cylinder Drawing Oil</li> <li>13. Sheet Metal Forming Oil</li> <li>14. Calcium Sulfonate Grease</li> <li>15. Post Aluminium Pressure Die cast Cleaner</li> <li>16. MQL Lubricants equivalent to TUSUNE LUBE</li> </ol> <p>1.Sumber Petroleum Cemerlang SDN BHD</p> <p>2.Gulf Rak Oil LLC, UAE</p>

	<p>3.Afton Chemical Hyderabad Private Ltd</p> <p>4.Kluber Lubrication India Private Ltd</p> <p>5.Sri Chakrol Lubricants Private Ltd, Pondicherry</p> <p>6.Raj Lubricants(Madras) Ltd, Chennai</p> <p>7.Tide Water Oil Co.(India) Ltd, Chennai</p> <p>8.Tamil Nadu Fluorine &amp; Allied Chemicals Ltd, Cuddalore</p> <p>9.Enjayes Spices Chemical Oils P.Ltd, Kerala</p> <p>10.Tamil Nadu Alkaline Batteries Ltd, Chennai</p> <p>11.Maruthi Crystal Salt Co.Ltd, Chennai</p> <p>12.A.M.M Murugappa Chettiar Research Centre, Chennai</p>
<p><b>Positions held</b></p>	<ul style="list-style-type: none"> <li>• Technical Manager</li> <li>• Head of Product Development &amp; QC</li> <li>• Sr.Manager (QA)</li> <li>• Dy.Manager (R&amp;D/QA)</li> <li>• Tech.Assistant (Laboratory)</li> <li>• Sr.Chemist</li> <li>• Analyst</li> <li>• Chemist</li> <li>• Laboratory Assistant</li> </ul>
<p><b>Job Responsibilites and Achievements</b></p>	<p><b>Sumber Petroleum, Malaysia since Sept 2013 onwards to July 2018</b></p> <ol style="list-style-type: none"> <li>1. Die Casting Lubricants</li> <li>2. Semi- Synthetic MWF for Aluminum machining</li> <li>3. Radiator Coolant –OATS</li> <li>4. Additive Treatment for Engine oil, Gear and Transmission</li> <li>5. Gas Turbine Oil for RPVOT ASTM D 2272 &gt; 3000 minutes</li> <li>6. Fuel Efficient DEO Oils</li> <li>7. Wire rope Compound for Dock yard</li> <li>8. Fuel Injector Cleaner</li> <li>9. Air compressor Oil Synthetic</li> <li>10. VCI for Protecting Roller and Ball Bearing</li> <li>11. Wire Ropes Lubricants for Elevators</li> <li>12. Molycote 33 /44, Molycote G 5025 Equivalent product</li> <li>13. Grafolog H 2200 Equivalent product</li> <li>14. KLUBER ISOPLEX NBU Equivalent</li> </ol> <p><b>Gulf Rak Oil LLC, UAE since July 15<sup>th</sup> 2012 to Sept 2013</b></p> <ol style="list-style-type: none"> <li>1. Installed Grease Plant with Autoclave system with the capacity of 8500 MT/ Annum</li> <li>2. Established Grease Making Process System to cater the Global needs.</li> </ol> <p><b>Afton Chemical India Ltd (Polartech India Private Ltd) ,Specialist in MWF Additives) since November 2008 to July 2012</b></p> <p>Developed Comprehensive range of Metal Working Fluids environment friendly and renewable source additives.</p>

	<p>Products range from High Performance Metal Working and Grinding Fluids in a special application to general purpose fluids for the precision engineering.</p> <p>Additive Package for Greases, Rust preventive, Gear Hopping, Shaving &amp; reaming.</p> <p>Neat oil (Chlorine Free) concept developed for Pressing and Forming application.</p> <p><b>MWF Projects Involved for</b></p> <ol style="list-style-type: none"> <li>1. Development of Environmentally Friendly Water Based MWF</li> <li>2. Vegetable Oil Based MWF for Titanium Machining up to 80 bar pressure</li> <li>3. MWF for the Light Weight Magnesium Metal</li> <li>4. MWF for the High Pressure Machining Application pressure up to 120 bar</li> <li>5. Minimum Quantity Lubricants Based on Esters &amp; Fatty Alcohols</li> <li>6. Boron Free MWF</li> <li>7. Amine Free MWF</li> <li>8. Biocide Free MWF</li> <li>9. Group III based MWF stable up to 1000 ppm Hardness</li> <li>10. Water Based MWF for Wheel Rim Forming</li> <li>11. Rust Preventive Additive Package passing Salt spray &gt;1000 hrs</li> <li>12. Bio-Degradable Degreaser for Industrial replacing TCE</li> <li>13. Chlorine and Mineral Oil free Neat Oil for Drawing</li> <li>14. Pilger Lubricants</li> <li>15. Water Based MWF for gear hobbing and Broaching</li> <li>16. Bio based Degreaser</li> </ol> <p><b>Job Responsibility of the present position:</b></p> <p>Responsibility on day to day basis for maintenance of high quality of manufactured products, Supervision of quality control testing of incoming raw material deliveries and resolution of any issues with suppliers, Technical approval of alternative raw materials and raw materials from different suppliers, Overall responsibility for quality control testing of manufactured products, Responsibility for identification and communication to production personnel of any correction / adjustments required to manufacture batches, Management of quality systems, Control of test methods, New product development, Up gradation of Formulations with appropriate approval, Develop appropriate PDS &amp; MSDS, Submit Monthly Updates/Report to CEO</p>
	<p>Experience Details:</p> <p><b>Kluber Lubrication India Private Ltd, Mysore – Head of Product Development &amp; QC 28-08-2006 to 08-12-2007</b></p> <p>Job Responsibilities:</p> <p>New Product Development, Existing Product Improvement, Process Modification, Costing, Raw material sourcing, PDS &amp; MSDS Creation, Technical service to the customer end, Coordination with Kluber Germany For the production of Kluber products in India. Three Kluber products and 17 OKS Products are developed and approved by Germany.</p> <p><b>Sri Chakrol Lubricants Private Ltd, Pondicherry Head of QC/R&amp;D</b></p>

	<p><b>01-09-2005 to 06-08-2006</b> Implementation of ISO, New Products Development, Installed Pressure Vessel for Grease Making. Reduce the process time from 6 hours to 2 hours.</p> <p><b>RAJ LUBRICANTS(MADRAS) LTD-Sr.Manager (QA)</b> <b>18-11-2002 to 16-08-2005</b> Job Responsibilities: Implementation of ISO, New Products Development, Interacting with additive manufacturers to update the latest blend formulation, Costing, Reduce the input Cost without effecting quality from formulation to application and up keeping Laboratory with latest testing equipments. Established most advanced R&amp;D and testing facilities in the grease industry. Maintenance of work instructions, calibration Procedures and records. Managing QC functions, Responsible for quality initiatives, Flexibility and the ability to effectively function as a team player with strong problem solving and interpersonal skill.</p> <p><b>TIDE WATER OIL CO.(INDIA) LTD- Dy. Manager (R&amp;D/QC)</b> <b>11-12-1985 to 15-11- 2002</b> Quality Functions, New Products Development of Greases and oils, Product Formulation and costing, Evaluation and Market feed back. Well established one of the best Laboratory in south India added 1.5 Crores worth of Instruments. Grease Process trouble shooting. Raw material substitute development. Innovation and modification of manufacturing process to suit specific customer requirement. Up gradation of existing formulation to meet market requirement. Adaptation, Improvisation, Indigenization to suit our Environment. etc.</p> <p><b>TAMIL NADU FLUORINE AND ALLIED CHEMICALS LTD- Tech. Asst</b> <b>04-10-1984 to 09.12.1985</b> Aluminum Hydroxide,Fluorspar,Aluminium Fluoride,Oleum ,effluent Water and by product Anhydrite Analysis.</p> <p><b>ENJAYES SPICES AND CHEMICAL OILS P.LTD- Sr. Chemist</b> <b>15-03-1982 to 18.09.1984</b> Pepper, Ginger, Cardamom, Capsaicin, Turmeric and Nutmeg oils and Oleoresin extractions and Complete analysis using Gas Chromatography and UV-VIS Spectrometer. Developed New non-toxic solvent system to increase the extractable resinous without affecting the aroma.</p> <p><b>MARTHY CRYSTAL SALT CO.LTD, Chemist</b> <b>01-10-1980 to 30-05-81</b> Industrial salt, Brine and bittern complete Analysis. Metrological observer.</p> <p><b>SHRI A.M.M.MURUGAPPA CHETTAIR RESEARCH CENTRE-Lab.Asst</b> <b>13-08-1979 to 04-09-1980</b> Number of Projects involved for research and analysis. New Electroplating Indigenous Brightener system. Multivalent Phenol Molecular sieves. Factice from Rubber Seed Oil.etc</p>
<b>Computer Skills</b>	Applications: MS Word, Excel,Outlook etc

**Achievements**

## Developed New Type greases

- Synthetic Lithium Base Grease,
- Long Life Grease,
- Aluminium Complex,
- Calcium Complex,
- Lithium Complex,
- Anhydrous Calcium Base,
- Non-Soap Grease,
- **Glossy Grease** for Exports,
- Ester Based Grease
- Silicone Greases
- Good Shear stable Li-Ca Greases,
- PU Greases, Diurea & Triurea
- Synthetic Greases – PAO Based
- Titanium Complex
- Calcium Sulfonate Complex Grease,
- Synthetic low temperature Bio-degradable grease,
- High speed spindle grease,
- Block Greases for locomotives,
- Inorganic Thickener High Temperature Grease
- Water resistant Sodium base Grease
- Lithium Calcium Barium High speed Grease etc
- Bio-degradable calcium base grease
- Natrium- Calcium Base Grease
- Polymer thickened Grease
- Phthalate based thickener
- Barium Complex grease for shock loading application
- Lithium Complex in Silicone Oils
- PFPE Greases
- Pastes for wire drawing applications
- Non staining Knitting Oils
- Tail Sealant – Bio-Degradable
- Metal working Oil water soluble Packages
- Synthetic MWF
- Semi Synthetic MWF
- Vegetable Ester based MWF
- PIBSA Based Soluble oil package to pass IS:1115
- Water based lapping fluids
- Water based Rim drawing oil 4.7mm thickness
- Wax based Rust preventive package > 300 hrs in salt spray
- Water Based Gear Hopping Oils
- Neutral Muti-metal Cleaners
- Reactive Lubricants for Drawing Applications
- Tube drawing oil – Avoid 7 stage Phosphating Process
- Evaporative oil with the contamination level less than 20mg/ Square meter
- Water Soluble Pilger Lubricants

	<ul style="list-style-type: none"> <li>• Primary &amp; secondary Lapping Compounds with sump life more than six months</li> <li>• Solvent Degreaser Biodegradable</li> <li>• Chlorine Free Neat MWF Oils</li> <li>• Grease Additive Package Sulphur Free</li> <li>• Radiator Coolant</li> <li>• Mould Swabbing Compound for Glass</li> <li>• Brake Fluid</li> <li>• Additive treatment for Engines, Gear and Transmission</li> </ul>
<b>Instruments Handled</b>	<ul style="list-style-type: none"> <li>• <b>FT-IR Spectrometer(Perkin- Elmer Paragon PC 1000, Spectrum Two</b></li> <li>• <b>Gas Chromatograph (CIC)</b></li> <li>• <b>Atomic Absorption Spectrophotometer (Varian 250 +), GC (CIC),</b></li> <li>• <b>UV- VIS Spectrophotometer,(Spectronic 21)</b></li> <li>• Auto Titrator (<b>Metrohm</b>),</li> <li>• Auto Viscometer (<b>Scott-Gerate</b>),</li> <li>• Auto Penetrometer(<b>Koehler</b>),</li> <li>• Four Ball Weld Load Tester( <b>Stanhope – Seta</b>), DUCOM</li> <li>• Cold Cranking simulator (<b>Canon</b>),</li> <li>• Leakage Tendencies of Grease(<b>Stanhope –seta</b>),</li> <li>• Life Performance of Grease(<b>Koehler</b>),</li> <li>• Dropping Point of grease(<b>Koehler</b>),</li> <li>• Oxidation and Evaporation loss of Lub.Oils &amp; Greases(<b>Koehler</b>), ,</li> <li>• Washout and Shear stability tester(<b>Koehler</b>),</li> <li>• Refractometer(<b>Atago</b>)</li> <li>• Polarimeter ,</li> <li>• Particle Counter(HACH) etc</li> <li>• Emcor Rust Test Rig</li> <li>• Density Meter</li> <li>• Conomo Foam test rig</li> <li>• Emcor Rust Test rig</li> </ul>
<b>Date of birth</b>	<b>14-05-1957</b>
<b>Place of birth</b>	<b>Theroor, Kanyakumari –Dist</b>
<b>Age</b>	<b>65 years</b>
<b>Martial Status</b>	<b>Married</b> <b>No of Children : Son &amp; Daughter ( Both are Married and Settled In Chennai)</b>
<b>Passport Details</b>	<b>Passport No : L3458366</b> <b>Date of Issue : 19-08-2014,Kualalumpur</b> <b>Date of Expiry: 18-08-2024</b>