

AVINASH PRAJAPATI

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"Achievement-driven professional targeting assignments in Laboratory and Quality Management in Lubricating Oil / Chemicals industry"

PROFILE SUMMARY

- Result-oriented and Self-confident professional offering **6 years** of experience in **Transformer Oil and Lubricating Oil Testing Laboratory**.
- Process knowledge of implementing and managing **NABL (ISO/IEC 17025: 2017), ISO9001:2015, ISO14001:2015**,
- Hands-on experience of instruments like **EDXRF, HPLC, GC, FTIR, UV Spectrophotometer, Auto Viscometers (Stabinger), CCS, , Auto Titrator and IP, ASTM testing methods of lubricants**.
- Process knowledge of **Formulation, Blending and Testing Lubricating oils, Transformer oil, LLP IP, HLP IP, White oils**.
- Expertise in ensuring compliance with Standard Operating Procedures (SOP), Good Laboratory Practices (GLP) & industry standards during the conduction of experiments and manufacturing process.
- Possess strong planning, communication, analytical & negotiation skills.

KEY SKILLS

Laboratory Management
Quality Assurance
Team Management

Product Development
Problem Solving

Reporting & Documentation
Safety Management

WORK EXPERIENCE

- Worked with Bharat Resin LTD. Unit -3 Umbergaon in Quality Department from 3rd Dec,2016 to Dec,2017.
- Worked with Merit Organic LTD. In Quality Department from 23rd Jan,2018 to 23rd Sep,2018.
- From 24th Sep 2018 Gandhar Oil Refinery India LTD Silvassa As Jr.R&D Executive.

Reporting to GM R & D

Responsibilities

- Shift and Man Power handling.
- Testing priority planning.
- Testing of Lubricating oils such as Engine oils, Gear Oils, Hydraulic Oils, White oils (HLP & LLP), Rubber processing oils.
- Testing of Insulating Oils (Transformer oils)
- Knowledge of ASTM, ISO, ICE standards of Lubricating Oil and Transformer oil testing.
- Water Analysis, Chemical Analysis
- Coordination with production department regarding testing priority and product correction.
- Preparation of Test reports

LABORATORY EQUIPMENTS HANDLED

- **Density** – Hydrometer , Anton Par Stabinger density meter.
- **Kinematic Viscosity** – Cannon Mini AV, Anton Par Stabinger 4001, Capillary Viscometers
- **Dynamic Viscosity** – Cold cranking Viscometer (CANON make), Brookfield Viscometer, MRV, HTHS
- **Cloud and pour point** – Manual and Auto (TANAKA make)
- **Flash point test** – PMCC and COC instrument
- **TAN & TBN** – Titration method and Auto-titrator (Methrohm make)
- **Water content** – Karl Fischer Coulometric titrator
- **Demulsibility test**
- **pH meter**
- **Refractive index** – RI of oils and additives, Determination of Urea content
- **ARV Test** – Air release value of base oils and Hydraulic oils
- **Tan Delta and Resistivity test** – Transformer oils (Shivananda and Meger make)
- **Break Down Voltage** – Transformer oils (Shivanda and Meger make)
- **UV spectrophotometer** – Perkin Elmer make
- **Gas Chromatography {GC}** – Perkin Elmer
- **High Performance Liquid chromatography {HPLC}** – Perkin Elmer
- **Interfacial Tension meter** – Transformer oils
- **FTIR** – Carbon composition in base oils and transformer oils, DBPC content in transformer oils
- **Trace Elemental Analysis** - TN ,TS in lubricating oil
- **IVF Quenchometer - Cooling Rate & Hardening Power in Quenching oil**
- **Salt Spray test , Humidity test in rust prevent oil**
- **Rust Preventing testing**
- **Distillation Base Oil (IBP & FBP)**
- **Foaming tendency of lubricating oil**
- **Cold Cranking simulator in engine oil**
- **Auto aniline point test in (TANAKA)**
- **Auto colorimeter in (TANAKA)**
- **Saponification test**
- **Ash content test**
- **ERBP in coolant**
- **XRF 5000** – for total Sulphur content

IT SKILLS

- Microsoft Office – Word, Excel & Power Point
- And Also Basic Knowledge

EDUCATION

Degree	Year	University/Board	Grade / GPA
MSC(Organic)	2017	University of Mumbai	4.1(Aggregate)
BSC(Chemistry)	2012	University of Mumbai	52.50%
H.S.C.	2008	Maharashtra Board	46.83%
S.S.C.	2004	Gujarat Board	57.43%

EXTRACULICULAR ACTIVITIES AND HOBBIES

- Playing Cricket & Badminton,
- Listening Music,
- watching Movies,

PERSONAL DETAILS

- Date of Birth: 12/03/1989
- Present Address: Plot no:112/2, Kashish industries, Near MK Mehta school, GIDC Umbergaon, Pin-396171
- Nationality: Indian
- Marital Status: Married
- Languages Known: English, Hindi, Gujarati