

Adam Boley

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PERSONAL STATEMENT

I am a practically minded analyst with a proven record of providing high quality results and accurate data. I have a constant desire to learn new techniques, and I pride myself on my attitude of hard work and flexibility within a role. I am looking to advance my career within Intertek to broaden my knowledge base.

WORK EXPERIENCE

Analyst – April 2019 to present

Intertek Caleb Brett - <https://www.intertek.com/>

Fuels and Lubricants team

Sunbury Technology Centre

Responsibilities:

- Kinematic Viscosity analysis of samples by ASTM D445
- Calculation of Viscosity Index by IP226
- Colour of Petroleum Products by ASTM D1500
- Determination of Yield Stress and Apparent Viscosity of engine oils at Low Temperatures using a Mini-Rotary Viscometer by D4684
- Automatic Pour Point of Petroleum products by D5950
- Automatic Cloud Point of Petroleum products by D5771
- Basic Nitrogen content in Petroleum Distillates by internal method ITM 12214
- Total Base Number D2896
- Bromine Number D1159
- Calculation of Carbon Distribution by ASTM D2502 and D3238
- Flash Point analysis by ASTM D3828 and IP523

I am also the Sunbury Technology Centre's Site Safety Officer. I have additional responsibilities as part of this role:

- Investigating, solving and closing out iHSE safety incidents
- Distributing safety bulletins and other notices from QHSE managers
- Organising monthly safety walkthroughs and extracting safety actions from the reports
- Generally ensuring that safety standards are maintained, and acting as an advisor on safety issues

Laboratory Technician – June 2018 – November 2018

Infineum Lubricants - <https://www.infineum.com/>

Lubricants Product Development EMEA

Milton Hill Technology Centre

Responsibilities:

- Operation of laboratory rigs:
 - Komatsu Hot Tube Tester
 - Panel Coker
 - Focused Beam Reflectance of Marine lubricants
 - Infineum's Nitration-Oxidation (INOx) Rig
 - FTIR analysis of aged lubricant samples
- Heavy Duty Diesel Field Trial Support:
 - Interfacing with test labs
 - Implementation of new methods at test labs
 - Updating Used Oil Analysis spreadsheets
 - Data analysis of Field Trials data
 - Flagging new and suspicious data to project leaders and Field Trial owners
 - Reception and dispatching of Field Trial samples to test labs
 - Organising test requests
- Maintaining the Blending Team's stock of additive packages

Oxidation Analyst - January 2018 - May 2018

BP Castrol / Lubricants UK
Formulated Products Technologies
Pangbourne Technology Centre
Responsibilities:

- Hot Liquid Process Simulation testing
- Indiana Stirring Oxidation Tests (JIS Method K 2514-1982)
- Rotating Pressure Vessel Oxidation Tests (ASTM D2272)
- Oxidation Characteristics of Inhibited Mineral Oils (ASTM D943, D4310 and IP157)
- Copper Corrosion (ASTM D130)
- Oxidation Characteristics of Extreme Pressure Lubricating Oils (ASTM D2893)
- Survivability tests of engine seals for the Renault F1 team
- General laboratory housekeeping (cleaning, tidying, waste disposal, solvent acquisition)

Rig Technician - September 2014 - December 2017

BP Exploration - <https://www.bp.com/>
Enhanced Oil Recovery Laboratories
Sunbury

Responsibilities:

- Determination of permeability, pore volume and water saturation levels of oil reservoir rock samples
- Cleaning and preparing rock samples for tests
- Fabricating complex salt solutions for use in tests
- Maintenance and repair of laboratory equipment
- Testing and evaluating new equipment for potential use in the laboratory
- Testing and development of new laboratory procedures
- Ion Chromatography using Thermo's Chromeleon software
- Scheduling work for maximum efficiency
- Monitoring gas levels and changing gas cylinders
- Managing the laboratory store of crude oil for tests
- Managing inventories of pressurised gas cylinders
- Managing the levels of flammable liquid in each laboratory
- Organising the disposal of hazardous waste
- Writing technical procedures
- Assisting with risk assessments and COSHH assessments
- Repair and maintenance of many devices and analysis equipment
- Providing general assistance to colleagues

Laboratory Technician summer placement - June 2013 - September 2013

LGC - <https://www.lgcgroup.com/>
Food Chemistry Laboratories
Teddington

Responsibilities:

- Preparation of various muscle tissue, fat, liver and urine samples for organic residues testing
- Preparation of necessary standards and quality control samples
- General assistance with tests

Laboratory Technician summer placement - June 2012 - September 2012

LGC - <https://www.lgcgroup.com/>
Radiochemistry Laboratories
Teddington

Responsibilities:

- Preparation of large numbers of water samples for various radiological analyses
- Supervising liquid nitrogen levels and topping up reservoirs as needed

EDUCATION

BSc (Hons) First Class, Chemistry - September 2011 - June 2014.

University of South Wales
Pontypridd

- My degree involved a large amount of practical work in the university's laboratories. I performed many organic syntheses, several of which were complex multi-session pieces of work.

- I used IR and NMR spectroscopy to check that the compounds produced at each stage had been synthesised correctly
- I have gained some experience using GC, HPLC and ICP-OES
- I also performed several other wet chemistry experiments, such as the determination of partition coefficients and acid-base titrations.
- I produced a Dissertation entitled: "The use of ATR-FTIR to identify common household plastics without a Resin Identification Code", and a large data-book of associated IR spectra

A-Levels

Edgbarrow Sixth Form:

- B grade in Chemistry
- C grade in Physics
- C grade in Mathematics
- C grade in History
- An ungraded course in Critical Thinking

GCSEs

Easthampstead Park School:

- A grade in English Literature
- A grade in Mathematics
- A grade in Chemistry
- A grade in Physics
- A grade in Biology
- A grade in History
- B grade in English Language
- B grade in Religious studies
- B grade in German

PERSONAL INTERESTS

I enjoy Rock Climbing, Karate and cycling, as well as reading and writing science fiction.

REFERENCES

Please contact my Line Manager from BP Sunbury, Steve Lamb at steve.lamb@bp.co.uk

References are also available from my Line Managers at Infineum:

Richard Robson - richard.robson@infineum.com

Catherine Frampton – catherine.frampton@infineum.com

Mark Pollington – mark.pollington@infineum.com