

# CURRICULUM VITAE

Passport No. R4103647

AJEET KUMAR SINGH

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A self-motivated professional discipline with Approx.11.0 -year experience in the field Of **Automotive & Industrial Lubricants** Analysis knowledge.

## Petroleum Industries Mfg. Product Knowledge

- 1.0 we have knowledge from Base Oil Technology formula development to make as Engine oil, Industrial oil, Gear oil, transmission oil, HFDU for mining used.
- 2.0 we have knowledge from Ester with PAO Technology formula development to make as Engine oil, Industrial oil, Gear oil, transmission oil, HFDU etc.
- 3.0 we have knowledge from Chlorine & sulfured base Technology formula development to make as Metal Cutting oils segment (Neat cutting oil as staining & non staining type as Broaching, Drilling, Tapping, Gear Cutting, Boring oil etc.)
- 4.0 we have knowledge from water soluble cutting oils technology formula development to make as (Soluble cutting oil has been development with as SN 150, SN100, N70,8CST, Non Smell recycle base material, Naphthenic oil, Transformer oil as Conventional type & Semi – synthetic & synthetic)
- 5.0 we have knowledge Rubber processing oils, Quenching & Heat Transfer Also Rust Preventive oils technology formula development to make as Product Solvent & oils type
- 7.0 Coolant Segment (1:3, 1:4, 1:19, Antifreeze, RTU (Ready to used)
- 8.0.. Add Blue(DEF)

## Professional Experience

1.0	Present status	Sterlite Lubricants Pvt.Ltd.	Asst. Manager R&D	15 July 2020 to updated
2.0	Past Status	Gandhar oil refinery India Ltd	R&D Executive.	11 March 2019 to 13 July 2020
3.0	Past status	Nandan petrochem ltd	Sr. Chemist Q.C	17June -2012 to 10 Feb - 2019

## Training Certification: -

1.0	Management of Certification Service & Training Academy Foundation (MOCSTAF)	Approved by Asia Pacific Register of shipping (UK) ISO Certified by American Bureau of Shipping (ABS)	<b>H<sub>2</sub>S</b> ( Hydrogen Sulphide) <b>BOSIET</b> ( Basic Offshore Safety induction & Emergency Training)
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## Educational Qualification: -

Sr.No	School	Year of passing	Board	Percentage / Grade
1.0	10 <sup>TH</sup>	2002	UP Board	II <sup>nd</sup>
2.0	12 <sup>TH</sup>	2004	UP Board	II <sup>nd</sup>
3.0	BSc Chemistry	2007	DDU University	II <sup>nd</sup>
4.0	MSc Biochemistry	2013	UP Rajarshi Tandon open University	I <sup>st</sup>

### ISO Knowledge: -

1.0	ISO 9001:2015 ( PDCA Theory)	Quality Management System (QMS)
2.0	ISO 14001:2015	Envirmental Management system (EMS)

### Professional Qualification: -

1.0	Computer knowledge	MS office, power point, excel with LIMS entry
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### Lab Instrument Handling: -

1.0	Density meter	6.0	TAN, TBN ( Metrohm)	11.0	FTIR Lab India
2.0	Auto Stabinger	7.0	Karl Fisher	12.0	GC Agilent
3.0	Color Comparator	8.0	Water Separability	13.0	Air Release
4.0	Pour Point	9.0	Foaming Characters	14.0	CCS ( Cannon instrument)
5.0	Flash Point	10.0	UV Spectrophotometer	15.0	Rust Preventive

### Test Parameter (Lubricant): -

1.0	Appearance (Visible)	5.0	D 97 (Pour Point)	9.0	D 2896 Method B (Total Base Number)	13.0	D 5293 (CCS- Cannon instrument )
2.0	D 1500 (Color)	6.0	D 92 (Flash Point open cup)	10.0	D 482 (ASH Content)	14.0	D 3427 (Air Release) AW 46,68
3.0	D 1298 (Density)	7.0	D 93 (Flash Point close cup)	11.0	D 892 (Foaming Characteristics)	15.0	ASTM B 117 Salt Spray Test
4.0	D 445 (Viscosity)	8.0	D 974 (Total Acid Number)	12.0	D 1401 (Water Separability)AW 46,68	16.0	D 94 Sap Value by manual

### Test Parameter (Base Oils): -

1.0	Appearance (Visible)	5.0	D 97 (Pour Point)	9.0	D 2270 (Viscosity index)
2.0	D 1500 (Color)	6.0	D 92 (Flash Point open cup)	10.0	RCS (Readily Carbonization substance)
3.0	D 1298 (Density)	7.0	D 93 (Flash Point close cup)	11.0	UV (Ultraviolet)
4.0	D 445 (Viscosity)	8.0	D 611 (Aniline Point )	12.0	CA, CP, CN by FTIR

### Follow the classification

- 1.0 Society of Automotive Engineers (SAE) J 300, Engine oils classification (6 winter, 5 mono grade)
- 2.0 SAE J 306, Gear oil classification (4 winter & 7 mono grade, GL category)
- 3.0 Japanese Automobile Standards Organization (JASO) T903/904, (MA, MA1, MA2, MB) category

- A. 1.1 JASO MA ( $1.3 \leq \text{DFI} < 2.5$ )
- 1.2 JASO MA1 ( $1.3 \leq \text{DFI} < 1.8$ )
- 1.3 JASO MA2 ( $1.85 \leq \text{DFI} < 2.5$ )
- 1.4 JASO MB ( $0.5 \leq \text{DFI} < 1.3$ )

- B. 1.1 JASO MA ( $1.25 \leq \text{SFI} < 2.5$ )
- 1.2 JASO MA1 ( $1.25 \leq \text{SFI} < 1.7$ )
- 1.3 JASO MA2 ( $1.7 \leq \text{SFI} < 2.5$ )
- 1.4 JASO MB ( $0.5 \leq \text{SFI} < 1.25$ )

- C. 1.1 JASO MA ( $1.4 \leq \text{STI} < 2.5$ )
- 1.2 JASO MA1 ( $1.4 \leq \text{STI} < 1.85$ )
- 1.3 JASO MA2 ( $1.85 \leq \text{STI} < 2.5$ )
- 1.4 JASO MB ( $0.5 \leq \text{STI} < 1.25$ )

A. Dynamic fraction index (DFI)

B. Static fraction index (SFI)

C. Stop Time Index (STI)

4.0 American Petroleum Institute (API) classification (S, C category)

5.0 International Standards organization (ISO) 3448, Industrial oils classification as ISO VG Grade

6.0 Two - Stroke engine oil classification as per given below.

A. API, category (TA, TB, TC, TD)

B. API, JASO category (FA, FB, FC)

C. API, ISO category (E-GB, E-GC, E-GD)

D. API, NMMA (National Marine Manufacturers Association) category (TC-W, TC-WII, TC-W3, TC- W3R)

### Different types of Additives with viscosity index improver polymer used as per given company name.

1.0 Lubrizol Additives as Automotive Product

2.0 Afton Additives as Automotive Product

3.0 TransAsia Additive as Neat cutting oil as staining & non staining type

4.0 Finozol Additive as Automotive Product

5.0 Lubimax Polymer (181 Grade) & Additive

6.0 Sprene - SPO (Sumitomo Chemical 141 grade)

7.0 Polartech Additive as water soluble cutting oil product (Conventional type & Semi – synthetic & synthetic)

8.0 Laxness (Rheine chemie) Additive as Neat cutting oil as staining & non staining type

9.0 Croda (PAO& ester)

10.0 BASF Additive

11.0 Spectrum Additive as water soluble cutting oil product (Conventional type & Semi – synthetic & synthetic)

- Experience in maintain quality management procedures, records of each instrument's history card, preventive maintenance record of analytical instruments, calibration certificate & raw data book of analysis of each petroleum products.
- Experience in maintain and calibrating the analytical equipment according to the procedure given by each method.
- Experience in coordinating the test run and performance guarantee run samples from plant.
- SOP prepare in Laboratory.
- RM, PM Specification prepare.
- Customers complain Handling.
- Customer Specification Requirements (CSR) Prepare Plan.
- Calibration chart Prepare in Lab.
- Inspection of incoming, in process and Finish material.
- R& D New Product Planning and Implementation as per Marketing
- IATF (International Automotive Task Force) 16949:2016 with follow the 5 tools of AIAG (Automotive industrial Action group)

**Personal details: -**

Name : Ajeet Kumar Singh  
Marital Status : Engagement  
Correspondence Add. : Shivam Appointments Flat No- 16 Aml, Silvassa - 396 230, D & N.H  
Language: - : English, Hindi.

**Best Regards,  
Ajeet Kumar Singh**