



# HP PROFICIENCY TESTING BROCHURE (2023-2024)



PC 1037

**PROFICIENCY TESTING PROVIDER  
NABL Accredited as per ISO 17043:2010**



# HP PROFICIENCY TESTING

## About HPCL

Hindustan Petroleum Corporation Limited (HPCL) is a Maharatna status and a Forbes 2000 and Global Fortune 500 PSU. HPCL is a global energy company having strong presence in downstream oil refining & marketing in India.

## HPCL Proficiency Testing Provider (HPPTP)

- HP Proficiency Testing are statistical quality assurance programs that enable laboratories to assess their performance (in terms of precision & accuracy) in conducting test methods within their laboratories when their data are compared against other laboratories that participate worldwide.
- HP Proficiency Testing is pioneer in conducting Proficiency Testing programs for petroleum products worldwide.
- HP Proficiency Testing Provider is accredited through NABL meeting all internationally acceptable planning, technical and managerial requirements.
- Test and improve your Labs performance with HPPTP and demonstrate proficiency in the specific analysis to meet laboratory accreditation requirements with our Cost effective, trusted and wide range of testing options.
- Our endeavors are also designed to enrich human experience across every touch point. We are working on the digital technologies of the future to provide seamless access and a better quality assurance programs for all laboratory participants.



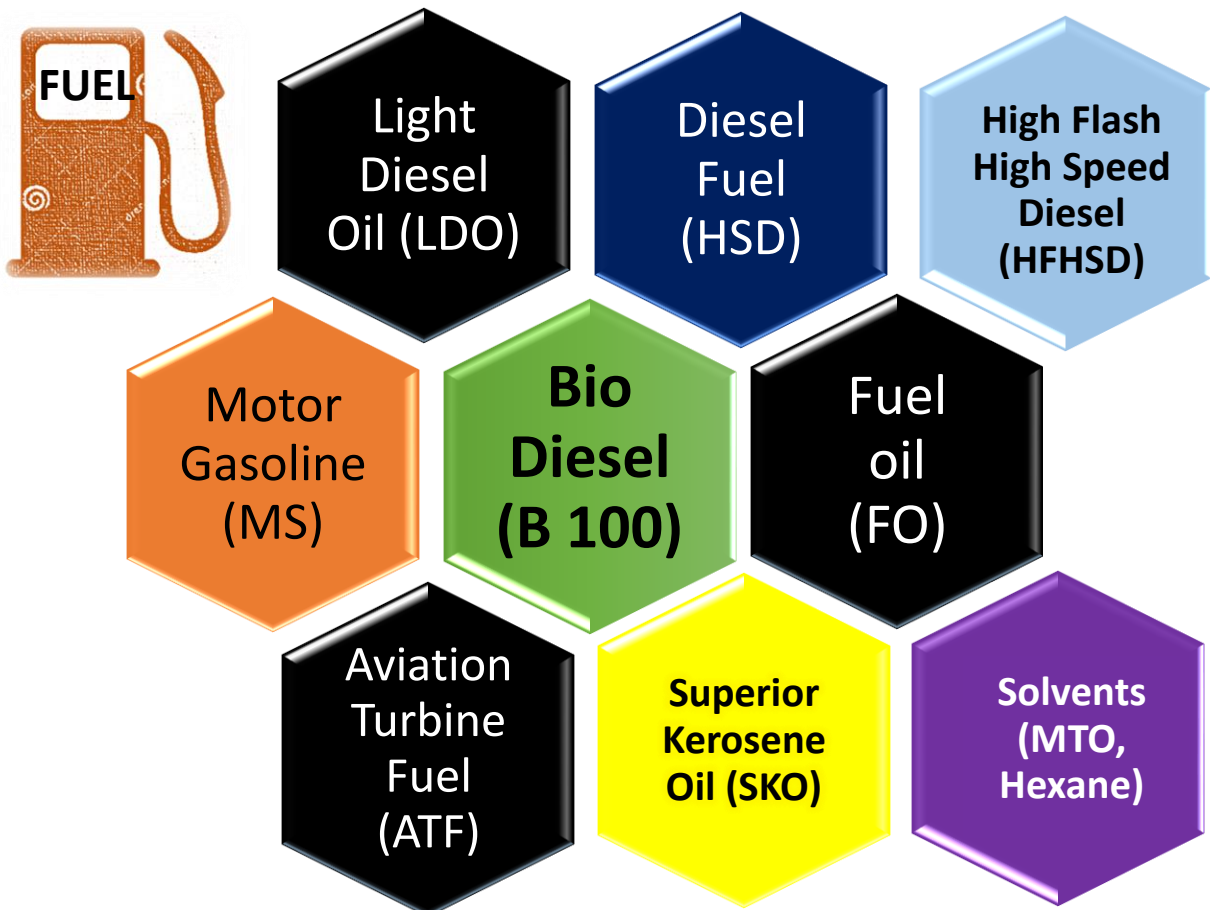
# HP PROFICIENCY TESTING

## Why Go for HP Proficiency Testing Program?

- The reliable PT provider in South East Asia covering entire gamut of petroleum products under one roof.
- Certified in accordance with ISO 17043:2010 Internationally accepted Standard.
- Reasonable & affordable pricing covering more test parameters compared to other PT Providers
- Winner of 13th QCI D.L. Shah Quality Awards - 2020 in the **GOLD** category under Make In India initiative

Providing services to customers for entire BIS parameters

## SCOPE of HP PTP

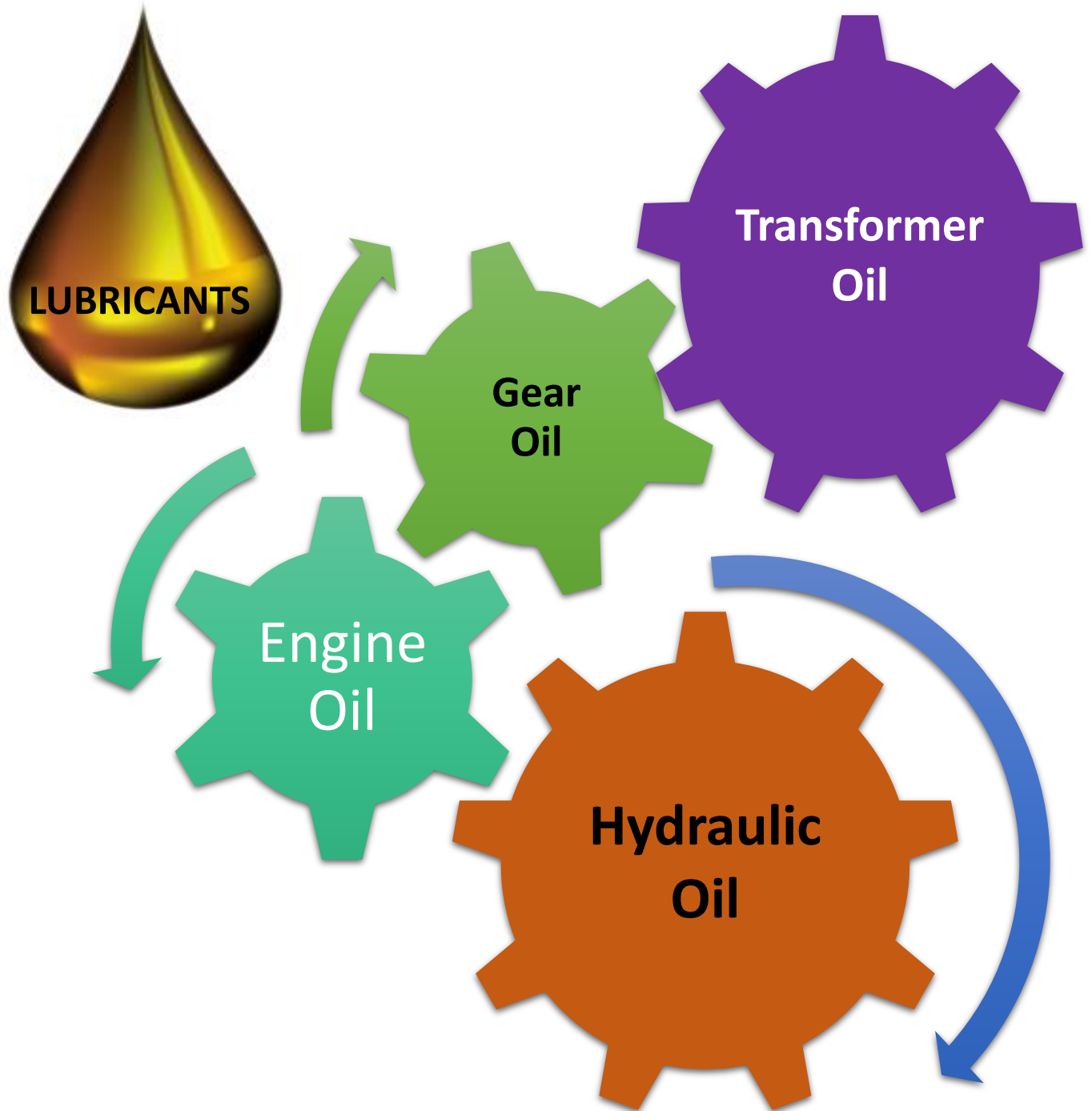




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# HP PROFICIENCY TESTING

## PT Program Schedule 2023-2024

Sr. No.	Product*	PT Scheme	Last Date of Registration	Schedule Month
1	HIGH SPEED DIESEL	HPPTHSD0723	10/07/2023	July-23
2	ANHYDROUS ETHANOL	HPPTETH0823	10/08/2023	August-23
3	DIESEL EXHAUST FLUID	HPPTDEF0923	10/09/2023	September-23
4	LUBE GEAR OIL	HPPTLUBEGO1023	10/10/2023	October-23
5	AVIATION TURBINE FUEL (JETA1)/ SKO	HPPTATF1123	10/11/2023	November-23
6	MOTOR SPIRIT	HPPTMS1223	10/12/2023	December-23
7	LUBE TRANSFORMER OIL	HPPTLUBETO0224	10/02/2024	February-24
8	BIODIESEL	HPPTBD0324	10/03/2024	March-24

\* Terms & Conditions Apply: The PT Schedule, Products, Parameters and time scales are tentative in nature. There might be some change due to unforeseen circumstances.

In Case of any other Petroleum product to be included in upcoming PT calendar, you may please email to us at

[ptp@hpcl.in](mailto:ptp@hpcl.in)



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## Introductory PT Price.. (Limited Time Offer)



Before ~~₹20,000~~

Now

₹15,000/-<sup>\*/\*\*</sup>

\*GST as applicable

\*\*For ETHANOL, DEF, BIODIESEL &  
TRANSFORMER OIL PT PRICE Rs. 20,000/-



# HP PROFICIENCY TESTING

## MOTOR GASOLINE (MS)

- Appearance
- Density
- Research Octane Number
- Existent Gum Content
- Lead Content
- Calculated Vapour Lock Index
- Copper Strip Corrosion
- Aromatics Content
- Oxygen content
- Colour
- Distillation
- Motor Octane Number
- Total Sulphur
- Reid Vapour Pressure
- Benzene Content
- Olefin Content
- Oxidation Stability
- Oxygenates

## HIGH SPEED DIESEL (HSD)

- Appearance
- Acidity
- Carbon Residue (Micro)
- Cetane Index
- Copper Strip Corrosion
- Flash Point – Abel
- Total contamination
- Total Sulphur
- Cold Filter Plugging Point
- Polycyclic Aromatic Hydrocarbon (PAH)
- Colour
- Ash Content
- Cetane Number
- Pour Point
- Distillation
- Lubricity
- Kinematic Viscosity
- Density
- Water content



# HP PROFICIENCY TESTING

## SUPERIOR KEROSENE OIL (SKO)

- Appearance
- Density
- Acidity- inorganic
- Flash Point –Abel
- Copper Strip Corrosion
- Colour- Visual
- Colour - Saybolt
- Distillation
- Smoke Point
- Total Sulphur

## AVIATION TURBINE FUEL (JET A-1)

- Appearance
- Density
- Flash Point –Abel
- Total Sulphur
- Total acidity
- Freezing Point
- Specific Energy
- Naphthalene
- Silver Strip Corrosion
- Existent Gum
- Water Reaction
- Lubricity
- Colour- Visual
- Colour - Saybolt
- Distillation
- Smoke Point
- Particulate contamination
- Aromatics
- Mercaptan Sulphur
- Kinematic Viscosity
- Copper Strip Corrosion
- JFTOT
- Micro Separometer rating
- Electrical Conductivity





# HP PROFICIENCY TESTING

## HIGH FLASH HIGH SPEED DIESEL (HFHSD)

- Appearance
- Acid Number
- Carbon Residue (Micro)
- Cetane Index
- Copper Strip Corrosion
- Flash Point – PMCC
- Total Sulphur
- Cold Filter Plugging Point
- Oxidation stability
- Colour-Visual
- Ash Content
- Pour Point
- Distillation
- Kinematic Viscosity
- Density
- Water content
- Lubricity

## BIODIESEL (B 100)

- Appearance
- Density
- Kinematic viscosity
- Total Sulphur
- Water content
- Carbon residue (Ramsbottom)
- Cetane number
- Methanol Content
- Monoglyceride Content
- Triglyceride content
- Total glycerol
- Iodine value
- Linolenic acid methyl ester
- Colour
- Flash point - PMCC
- Acid value
- Sulphated Ash
- Total contamination
- Cold Filter Plugging Point (CFPP)
- Copper strip corrosion
- Ester Content
- Diglyceride content
- Free glycerol
- Elements (K,Na,P,Ca,Mg)
- Oxidation stability
- Polyunsaturated(>4 double bonds) methyl ester



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## FUEL OIL (FO)

- Density
- Ash Content
- Relative Density
- Kinematic Viscosity
- Total Sulphur
- Hydrogen Sulfide
- Carbon residue– Micro
- Elements (Vanadium, Sodium, Aluminium, Silicon, Calcium, Zinc, Phosphorous)
- Acidity
- Gross Calorific value
- Flash Point–PMCC
- Sediments by Extraction
- Water Content
- Total Sediments
- Pour point
- CCAI

## LIGHT DIESEL OIL (LDO)

- Density
- Ash Content
- Kinematic Viscosity
- Total Sulphur
- Copper strip corrosion
- Carbon residue– Micro
- Acidity
- Flash Point–PMCC
- Sediments by Extraction
- Water Content
- Pour point



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## ENGINE OIL (EO)

- Acid Number
- Calcium
- Phosphorus
- Sulphated ash
- Colour ( ASTM )
- Flash point – COC
- Viscosity Apparent HTHS
- Pour Point
- Kinematic Viscosity
- Water Content
- Sulphur
- Zinc
- Ash content
- Total Base Number
- Evaporation loss- NOACK
- Flash Point – PMCC
- Nitrogen
- Saponification Number
- Viscosity Apparent Low Temperature -CCS
- Viscosity Index

## HYDRAULIC OIL (HO)

- Acid No.
- Zinc
- Kinematic Viscosity
- Flash point –COC
- Viscosity Index
- Emulsion Characteristics
- Foaming Test Sequence I/II/III/IV (tendency)
- Air Release Value
- Rotating Pressure Vessel Oxidation Test
- Colour (ASTM)
- Density
- Water Content
- Flash point –PMCC
- Copper Strip Corrosion
- Rust Test
- Foaming Test Sequence I/II/III/IV (stability)
- Acidity Inorganic
- Particle Count



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## TRANSFORMER OIL (TO)

- Appearance
- Pour Point
- Electrical strength [BDV]
- Dielectric Dissipation Factor
- Acidity
- Total Sulphur Content
- Potentially corrosive Sulphur
- Presence of Oxidation Inhibitor
- 2-Furfural & Related compounds
- Oxidation Stability- Total Sludge
- Gassing Tendency
- PCA content
- Kinematic Viscosity
- Water Content
- Density
- Particle content
- Inter Facial Tension
- Corrosive Sulphur
- DBDS
- Metal Passivators
- Oxidation Stability- Total Acidity
- Oxidation Stability- DDF
- Flash Point (PMCC)
- PCB content

## GEAR OIL (GO)

- Colour (ASTM)
- Density
- Kinematic Viscosity
- Flash point (COC)
- Viscosity Index
- Foaming Test Sequence I/II/III/IV (tendency)
- Phosphorus
- Pour Point
- Water Content
- Flash point (PMCC)
- Copper Strip Corrosion
- Foaming Test Sequence I/II/III/IV (stability)



# HP PROFICIENCY TESTING

## DIESEL EXHAUST FLUID

- Urea Content
- Refractive Index at 20 °C
- Biuret
- Insoluble matter
- Aluminium
- Chromium
- Iron
- Magnesium
- Nickel
- Density at 20 °C
- Alkalinity as  $\text{NH}_3$
- Aldehydes
- Phosphate ( $\text{PO}_4$ )
- Calcium
- Copper
- Potassium
- Sodium
- Zinc

## ANHYDROUS ETHANOL

- Acidity
- Alkalinity
- Miscibility with Water
- Aldehyde Content
- Ethanol Content
- Relative Density



# HP PROFICIENCY TESTING

## How to Register for PT Scheme

Laboratories interested to join the program may send the completely filled registration form to email ID [ptp@hpcl.in](mailto:ptp@hpcl.in)

Laboratory may also send their queries on [ptp@hpcl.in](mailto:ptp@hpcl.in) or can contact Shri Dhanishth R. Pawar on +91-881-888-5325.

## NEED FURTHER INFORMATION

In case you need further information or if you need our assistance in understanding your requirements to participate in appropriate PT Scheme, kindly get in touch with us at following contact details:

**HINDUSTAN PETROLEUM CORPORATION LIMITED,**

**VASHI WHITE OIL TERMINAL**

**D-99 TTC AREA OF MIDC**

**TURBHE, NAVI MUMBAI -400705**

Dhanishth R. Pawar

☎ 881 888 5325

✉ [ptp@hpcl.in](mailto:ptp@hpcl.in)

Alternate Contact No.

Mahesh Kumar Totla: 0760 098 0868



# HP PROFICIENCY TESTING

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## **Terms & Conditions:**

1. HPPTP will try to deliver the PT item at the customer desired delivery address. However, at far-flung remote areas, the customer may have to pick the PT item from the nearest city/place.
2. In case of any failure of PT Scheme due to unforeseen reason, the customer will be accommodated into similar upcoming scheme & in no case; the request for refund of money shall be entertained.
3. Customer agrees that neither Hindustan Petroleum Corp. Ltd., nor the Laboratory, nor any of the employees of HPCL, its Directors, Officers, agents or servants shall be liable in any way for any claims for any alleged loss, damage, costs, expenses or other claims for compensation arising out of or in relation to the PT Services availed by the Customer.
4. Hindustan Petroleum Corp. Ltd reserves the right to withdraw, discontinue, change or substitute any offer at any time without any prior notice.
5. Any decision taken by Hindustan Petroleum Corp. Ltd shall be final and binding and not subject to any dispute or challenge.
6. The Offer program shall be governed by and construed in accordance with the laws of India and shall be subject to the exclusive jurisdiction of competent Court at Mumbai.
7. The PT Schedule, Products, Parameters and time scales are tentative in nature. There might be some change due to unforeseen circumstances.