As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.

Valid from 26 September 2025
to 25 September 2029
Issued on 26 September 2025

ISO/ IEC 17025
TL 089-01

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 089-01

Ceylon Petroleum Storage Terminals Ltd.
Main Laboratory
Wellampitiya, Kolonnawa

Scope of Accreditation: Performing Chemical testing on Gas oil, Fuel oil, Gasoline, JET A-1, Naphtha, SBP, Kerosene as per ASTM, IP and ISO methods

The laboratory is accredited for the following tests.

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1	Gas Oil, Marine Gas Oil, Fuel Oil, Gasoline, Aviation Gasoline, JET A-1, Naphtha, Special Boiling Point (SBP), Kerosene.	Manual Sampling of Petroleum and Petroleum Products	ASTM D4057 – 22	Sample density in range of 600 - 1100 kg/m^3 at 15^{o}C
2	Fuel Oil, Gas Oil, Marine Gas Oil.	Strong Acid Number	ASTM D 974 – 22 / ASTM D664-24	0.01 mgKOH/g / 2.0 mgKOH/g
3	Gas Oil, Marine Gas Oil, Fuel Oil	Ash	ASTM D 482 - 19 / ISO 6245 - 2001	0.001 - 0.180 mass %
4	Fuel Oil	Asphaltenes	ASTM D 6560 - 22 / IP 143 – 2016 (21)	(0.50 - 30.0) % m/m
5	Gas Oil, Marine Gas Oil	Calorific Value gross - Calculated	ASTM D 4868 -17	Applicable to the sample Density range of (750 - 1000) kg/m^3
6	Gas Oil, Marine Gas Oil	Cetane Index (Procedure A)	ASTM D 4737 – 21 / ISO 4264 - 2018	40 <

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
7	Gas Oil, Marine Gas Oil	Cloud Point	ASTM D 2500 – 23 / ASTM D5771 - 21 ISO 3015 - 2019	Below 49 °C
8	Gas Oil, Marine Gas Oil	Cold Filter Plugging Point	ASTM D 6371 – 17a	+20 °C to -15 °C
9	Gas Oil, Marine Gas Oil	Colour ASTM	ASTM D 1500 – 24 ISO 2049-1996	Lighter than 0.5 to 8.0 ASTM colour
10	JET A-1, Naphtha, Special Boiling Point (SBP)	Colour Saybolt	ASTM D 156 - 23	(+30 to -16) Colour Number
11	Gas Oil, Marine Gas Oil, Fuel Oil	Conradson Carbon Residue	ASTM D 189 - 24	0.01 – 20.0 m/m %
12	Gas Oil, Marine Gas Oil, Gasoline, Aviation Gasoline, JET A-1, Naphtha, Special Boiling Point (SBP), Kerosene	Copper Corrosion	ASTM D 130 - 19	1 to 4
13	Gas Oil (500 ppm Max S, 10 ppm Max. S, Marine Gas Oil), Gas Oil, Marine Gas Oil, Fuel Oil, Gasoline, Aviation Gasoline, JET A-1, Naphtha, Special Boiling Point (SBP), Kerosene	Density at 15°C	ASTM D 1298 - 12 b (Reapproved 2017) / ISO 3675 - 1998	(600 - 1100) kg/m^3 at 15°C
14	Gas Oil, Marine Gas Oil, Gasoline, Aviation Gasoline, JET A-1, Naphtha, Special Boiling Point (SBP), Kerosene	Density at 15°C	ASTM D 4052 -22 / ISO 12185 - 2024	(600 - 1100) kg/m3 at 15°C
15	Gasoline, Aviation Gasoline, JET A-1, Naphtha, Special Boiling Point (SBP), Kerosene	Distillation	ASTM D 86 - 18	(0 - 400) °C
16	Gas Oil, Marine Gas Oil, Fuel Oil	Flash Point (PMcc)	ASTM D 93 - 20 / ISO 2719 – 2016 (21)	(40 - 360) °C
17	Aviation Gasoline., JET A-1	Freezing Point (Auto)	ASTM D 7153 – 22ael	(+20 °C to -80°C)
18	Gasoline, Aviation Gasoline, JET A-1	Existent Gum	ASTM D 381 – 22	0 – 40 mg/100 mL
19	Gas Oil, Marine Gas Oil, Fuel Oil	Calorific Value, Gross	ASTM D 240 - 19	0 – 12000 kCal/ kg
20	Gas Oil, Marine Gas Oil, Fuel Oil	Viscosity at 40°C, 50°C, 100°C	ASTM D 445 - 24 / ISO 3104 - 2023	(0.2 to 300,000) mm^2/S
21	Gas Oil, Marine Gas Oil	High Frequency Reciprocating Rig. (HFRR)	ASTM D 6079 -22	390 – 670 micrometer
22	Gasoline, JET A-1	Mercaptain Sulphur	ASTM D 3227 - 24	0.0003 to 0.01 mass%
23	Fuel Oil	Aluminium (Al), Calcium (Ca), Phosphorus (P), Ferrous (Fe), Sodium (Na), Potassium (K), Vanadium (V), Nickel (Ni), Zinc (Zn), Silicon (Si)	IP 501 / 05 (reapproved 2019)	Al (5 to 150) mg/kg, Ca (3 to 100) mg/kg, P (1 to 60) mg/kg, Fe (2 to 60) mg/kg, Na (1 to 100) mg/kg, V (1 to 400) mg/kg, Ni (1 to 100) mg/kg, Zn (1 to 70) mg/kg, Si (10 to 250) mg/kg
24	Gas Oil, Marine Gas Oil, Fuel Oil	Carbon Residue – Micro method	ASTM D 4530 - 15 (2020) / ISO 10370 - 2014	(0.1 to 30.0) m/m %

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
25	Jet A – 1	Water Separation Characteristic of Jet A - 1 (MSEP)	ASTM D 3948 – 22	0 to 100
26	Jet A – 1	Naphthalene	ASTM D 1840 – 22	(0.03 - 5.60) Volume%
27	Gasoline	Oxidation Stability	ASTM D 525 - 12 a (2019)	> 480 min (92 Octane), > 360 min (95 Octane)
28	Gas Oil, Marine Gas Oil	Particulate Contaminants, (Total)	ASTM D 6217 - 21	0 to 25 g/m^3
29	Gas Oil, Marine Gas Oil, Fuel Oil	Pour Point	ASTM D 97 – 17b (2022) / ASTM D 5950 – 14 (2020) / ISO 3016 - 2019	(-30°C to +20°C)
30	Gasoline	Research Octane Number (RON)	ASTM D 2699 – 24a	88 – 101 Rating
31	Gas Oil, Marine Gas Oil, Fuel Oil	Sediment by Extraction	ASTM D 473 – 22	0.01 mass% to 0.40%
32	JET A-1, Kerosene	Smoke Point	ASTM D 1322 - 24	(15 to 30) mm
33	Gas Oil, Marine Gas Oil, Fuel Oil, Gasoline, JET A-1.	Sulphur Content	ASTM D 4294 – 21	(0.0017 to 4.6) mass%
34	Gasoline, Gas Oil 10 ppm Max.S	Sulphur Content	ASTM D 5453 – 19a	(1.0 to 8000) mg/kg
35	Jet A - 1	Jet Fuel Thermal Oxidation Stability Test. (JFTOT)	ASTM D 3241 - 24	Tube rating, < 3 Filter Pressure differential, 0-26
36	Gas Oil, Marine Gas Oil, Fuel Oil	Total Acid No.	ASTM D 664 – 24 / ASTM D 974 – 22	0.05 mgKOH/g – 150 mgKOH/g

Acting Director / CEO
Sri Lanka Accreditation Board for Conformity Assessment