



**EIE INSTRUMENTS PVT. LTD.**  
(An ISO 9001:2015 Certified Company)

## Petroleum, Oil & Lubricant Testing Introductory



**NABL**  
Calibration Services

## **Laboratory Equipments for Petroleum Oil and Lubricant Testing**

Dear Sir,

Established since 1977, We are one of the major manufacturers and suppliers of Cement Testing Laboratory Equipments as per BIS/ASTM/ISO/DIN and other international standards.

### **Approved Vendors to**

Total India, Reliance Industries, Indian Oil, Bharat Petroleum, Castrol BP India Limited, Gulf Oil, Epsilon Petrochem, Elvi Bardahl, Single Peak Lube Oil, Volubit Lubricant, CIIF Lubricant etc.

### **Our strength**

- Experience of over 40 years
- Original Equipment Manufacturer (OEM)
- Large scale Manufacturing facility built on enormous 50000 square feet factory area
- NABL accredited Calibration Lab
- Strong team of 250+ experienced and dedicated professionals
- Committed to Services

Product List and few catalogs enclosed.

### **Please call us for**

- Laboratory Instrument supply
- Laboratory Instrument Service and AMC
- Annual Calibration and Validation services

Thanks and regards,

**Deepak Parikh**

9824041391



# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	Petroleum/Grease/Wax Testing Instruments
1	EIE-PTLT-101E	PENSKY MARTEN FLASH POINT APPARATUS-WITH ENERGY REGULATOR
2	EIE-PTLT-101VDM	PENSKY MARTEN FLASH POINT APPARATUS-WITH VOLTAGE VARRIER, MOTORIZED STIRRER AND DIGITAL INDICATOR
3	EIE-PTLT-101DM	PENSKY MARTEN FLASH POINT APPARATUS-DIGITAL WITH MOTORISED STIRRER
4	EIE-PTLT-102E	CLEAVELAND FLASH POINT APPARATUS -WITH ENERGY REGULATOR
5	EIE-PTLT-102DM	CLEAVELAND FLASH POINT APPARATUS -WITH DIGITAL TEMP. INDICATOR
6	EIE-PTLT-103E	ABEL FLASH POINT APP. WITH ENERGY REGULATOR CONTROL
7	EIE-PTLT-103DM	ABEL FLASH POINT APP. WITH DIGITAL TEMP.INDICATOR AND MOTORISED GEARED STIRRER-
8	EIE-PTLT-104R30	CLOUD AND POUR POINT APPARATUS -(REFRIGERATED) (-30 C)- (SINGLE TANK) -(FOUR TEST)
9	EIE-PTLT-104R80	CLOUD AND POUR POINT APPARATUS -(REFRIGERATED) (-80 C)-(SINGLE TANK)-(FOUR TEST)
10	EIE-PTLT-104NR1	CLOUD AND POUR POINT APPARATUS -(SINGLE TEST)-(NON-REFRIGERATED ORDINARY)
11	EIE-PTLT-104RI4C	CLOUD AND POUR POINT APPARATUS-(REFRIGERATED)-(FOUR COMPARTMENT)- (WITH INDIVIDUAL CONTROLLER)
12	EIE-PTLT-105D	COPPER STRIP CORROSION TEST APP-DIGITAL-ASTM D130
13	EIE-PTLT-106D	COPPER/SILVER CORROSION BATH WITH ALL ACCESSORIES - DIGITAL (ASTM D130, IP 227)
14	EIE-PTLT-107	REID VAPOUR PRESSURE TEST APPARATUS WITH ACCESSORIES
15	EIE-PTLT-108D	APPARATUS FOR ESTIMATION OF GUM CONTENT BY JET EVAPORATION-ASTM D381
16	EIE-410BADP02	KINEMATIC VISCOSITY BATH BELOW AMBIENT-FOR 2 VISCOMETERS
17	EIE-410BADP04	KINEMATIC VISCOSITY BATH BELOW AMBIENT-FOR 4 VISCOMETERS
18	EIE-410AADP02	KINEMATIC VISCOSITY BATH ABOVE AMBIENT-FOR 2 VISCOMETERS
19	EIE-410AADP04	KINEMATIC VISCOSITY BATH ABOVE AMBIENT-FOR 4 VISCOMETERS
20	EIE-410AADP06	KINEMATIC VISCOSITY BATH ABOVE AMBIENT-FOR 6 VISCOMETERS
21	EIE-410ULDP10	ULTRA LOW TEMP. KINEMATIC VISCOSITY BATH (-10°C-100°C)
22	EIE-410ULDP20	ULTRA LOW TEMP. KINEMATIC VISCOSITY BATH (-20°C-100°C)
23	EIE-410ULDP40	ULTRA LOW TEMP. KINEMATIC VISCOSITY BATH (-40°C)
24	EIE-410ULDP80	ULTRA LOW TEMP. KINEMATIC VISCOSITY BATH (-80°C)
25	EIE-PTLT-111	SEDIMENT BY EXTRACTION APPARATUS OF CRUDE OIL (ASTM D473)
26	EIE-PTLT-112RB	CARBON RESIDUE APPARATUS (RAMS BOTTOM) - COMPACT WITH DIGITAL CONTROLLER



Oxidation Stability of  
Distillate Fuel Oil



Fully automatic Bitumen  
Wax Asphalt Grease Petroleum



Fully Automatic Water  
Separability Test Apparatus

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	Petroleum/Grease/Wax Testing Instruments
27	EIE-PTLT-112C	CARBON RESIDUE APPARATUS (CONRADSON)
28	EIE-PTLT-113	RUST PREVENTION TEST APPARATUS-(ASTM D665, ASTM D5534, ASTM D3603)
29	EIE-PTLT-114STC	FOAMING CHARACTERISTICS OF LUBRICATING OIL - ASTM D892- (SINGLE TEST CYLINDER)-(SINGLE JAR)
30	EIE-PTLT-114TTC	FOAMING CHARACTERISTICS OF LUBRICATING OIL - ASTM D892- (TWO TEST CYLINDER)-(SINGLE JAR)
31	EIE-PTLT-115FTCTJ	FOAMING CHARACTERISTICS OF LUBRICATING OIL - ASTM D892- (FOUR TEST CYLINDERS)-(TWIN JARS)
32	EIE-PTLT-116	OXIDATION STABILITY FOR INHIBITED MINERAL OIL (STEAM TURBINE OIL)- (ASTM D943, IP 335)
33	EIE-PTLT-117	SMOKE POINT APPARATUS-(ASTM D1322)
34	EIE-PTLT-118M	EMULSION TEST-WATER SEPARABILITY TEST APPARATUS- MANUAL LIFT & PLACEMENT-ASTM D1401
35	EIE-PTLT-118A	EMULSION TEST-WATER SEPARABILITY TEST APPARATUS- AUTOMATIC LIFT & PLACEMENT-ASTM D1401
36	EIE-PTLT-120	THERMAL STABILITY OF HYDRAULIC OIL - (ASTM D2070, IS 11656)
37	EIE-PTLT-121M	OXIDATION STABILITY BY ROTATING PRESSURE VESSEL METHOD-(RPVOT)- (ASTM D2272, ASTM D2112)-(WITH CIRCULAR PRESSURE CHART RECORDER)
38	EIE-PTLT-121E	OXIDATION STABILITY BY ROTATING PRESSURE VESSEL METHOD-(RPVOT)- (ASTM D2272 & D2112)-(ELECTRONIC WITH SOFTWARE)
39	EIE-PTLT-122	OXIDATION STABILITY FOR DISTILLATE FUEL OIL (ASTM D2274, IP 388)-
40	EIE-PTLT-123	OXIDATION STABILITY OF MINERAL INSULATING OIL (TRANSFORMER OIL)-(ASTM D2440)
41	EIE-PTLT-124	DEMULSIBILITY TEST APPARATUS-(WATER SEPARABILITY TEST APPARATUS)-(ASTM D2711)
42	EIE-PTLT-126A	COLD FILTER PLUGGING POINT APPARATUS-REFRIGERATED-FOUR TEST WELLS
43	EIE-PTLT-126M	COLD FILTER PLUGGING POINT APPARATUS-(MANUAL OPERATION)
44	EIE-PTLT-143NRM	FREEZING POINT APPARATUS - WITH MOTORIZED STIRRER-(ASTM D2386)
45	EIE-PTLT-143R80	FREEZING POINT APPARATUS - WITH IN-BUILT REFRIGERATION SYSTEM UPTO (-80 °C) - (ASTM D1177, ASTM D2386)
46	EIE-PTLT-144	ASPHALTNESS EXTRACTION TEST APPARATUS - (ASTM D6560)
47	EIE-PTLT-145	ASH DETERMINATION TEST APPARATUS - COMPLETE SET - (ASTM D482)
48	TM-043PD	RING AND BALL APPARATUS-ELECTRICALLY OPERATED D.C. MOTOR-
49	TM-043DC	RING AND BALL APPARATUS-ELECTRICALLY OPERATED A.C. MOTOR
50	TM-043	RING AND BALL APPARATUS-(PROGRAMMABLE)-(DIGITAL)-(ASTM D36) WITH ACCESSORIES



Foaming Characteristic of Engine Coolant



Grease Penetrometer



Foaming Characteristic of Lubricating Oil Single Test Cylinder



Conradson Carbon Test Apparatus

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	Petroleum/Grease/Wax Testing Instruments
51	EIE-PTLT-148E1	REDWOOD VISCOMETER NO.1 - WITH ENERGY REGULATOR
52	EIE-PTLT-148D1	REDWOOD VISCOMETER NO.1 -WITH DIGITAL TEMP. INDICATOR-
53	EIE-PTLT-148E2	REDWOOD VISCOMETER NO.2 - WITH ENERGY REGULATOR-
54	EIE-PTLT-148D2	REDWOOD VISCOMETER NO.2 -WITH DIGITAL TEMP. INDICATOR
55	EIE-PTLT-148M	REDWOOD VISCOMETER MULTIPLE APPARATUS
56	EIE-PTLT-149ENRS	PETROLEUM DISTILLATION-SINGLE-(WITH ENERGY REGULATOR)-(NON REFRIGERATED)-(ASTM D86)
57	EIE-PTLT-149DNRS	PETROLEUM DISTILLATION-SINGLE-(WITH DIGITAL TEMP CONTROLLER)-(NON REFRIGERATED)-(ASTM D86)
58	EIE-PTLT-149TNRS	TWIN DISTILLATION APPARATUS FOR PETROLEUM (ASTM D86)
59	EIE-PTLT-149ECP	PETROLEUM DISTILLATION FOR CRUDE PETROLEUM-WITH ENERGY REGULATOR-IP 24, ASTM D2892
60	EIE-PTLT-150A	ANILINE POINT APPARATUS-METHOD A-ASTM D611, IP 2, IS 1448-HAND OPERATED
61	EIE-PTLT-150B	ANILINE POINT APPARATUS-METHOD B-WITH DIGITAL CONTROLLER AND MOTORIZED TIRRER
62	EIE-PTLT-150D	ANILINE POINT APPARATUS-METHOD D-WITH MOTORIZED STIRRER
63	EIE-PTLT-1510	DEAN AND STARK APPARATUS FOR OIL-10 ML WITH HEATER - IP-74, IS-1448 (P:40)
64	EIE-PTGT-129MII	GREASE WORKER (ASTM D217) (MOTORIZED - DOUBLE CUP MODEL)
65	EIE-PTGT-129MI	GREASE WORKER (ASTM D217) (MOTORIZED - SINGLE CUP MODEL)
66	EIE-PTGT-130AT	STANDARD PENETROMETER FOR GREASE WITH GEARED HEIGHT ADJUSTMENT-(ASTM D217) - WITH DIGITAL TIMER
67	EIE-PTGT-130M	STANDARD PENETROMETER FOR GREASE WITH GEARED HEIGHT ADJUSTMENT - MANUAL-
68	EIE-PTGT-130AT.1	STANDARD PENETROMETER FOR GREASE-(ASTM D1403)-(1/4TH SCALE PENETROMETER)-
69	EIE-PTGT-131MAG	DROP POINT APPARATUS FOR GREASE-(ASTM D566, IP 132)-(MAGNETIC STIRRER CUM HEATER)
70	EIE-PTGT-131ME	DROP POINT APPARATUS OF GREASE-(ASTM D566, IP 132)-(MOTORIZED STIRRER WITH ELECTRICAL HEATING)
71	EIE-PTGT-131H	DROP POINT APPARATUS - (ASTM D566) (IP - 132) (HAND OPERATED)
72	EIE-PTGT-132	DROP POINT APPARATUS FOR LUBRICATING GREASE - (ASTM D2265)-
73	EIE-PTGT-133	EVAPORATION LOSS OF LUBRICATING GREASE AND OIL-ASTM D972, IP 183
74	EIE-PTGT-134	OIL SEPARATION FROM LUBRICATING GREASE DURING STORAGE - ASTM D1742
75	EIE-PTGT-138	GREASE WATER WASHOUT TESTER - ASTM D1264



4 Test Foaming Characteristic of Lube Oil



Copper Strip Corrosion Test Apparatus

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	Petroleum/Grease/Wax Testing Instruments
76	EIE-PTGT-136	OIL SEPARATION FROM LUBRICATING GREASE AT ELEVATED TEMPERATURE (ASTM D6184, FTM 791-321)
77	EIE-PTGT-137CII	GREASE ROLL STABILITY TEST APPARATUS - (ASTM D1831) - 2 CYLINDERS
78	EIE-PTGT-137CIV	GREASE ROLL STABILITY TEST APPARATUS - (ASTM D1831) - 4 CYLINDERS
79	EIE-PTGT-139E	OXIDATION STABILITY FOR GREASE-IP 142, ASTM D942-ELECTRONIC WITH SOFTWARE
80	EIE-PTGT-140	RUST PREVENTION TEST APPARATUS-(ASTM D1743)-FOR LUBRICATING GREASE
81	EIE-PTGT-146AT	STANDARD PENETROMETER-FOR PARAFFIN WAX-(ASTM D1321)
82	EIE-PTGT-147AT	STANDARD PENETROMETER FOR PETROLATUM WITH GEARED HEIGHT ADJUSTMENT-(IP - 179), (ASTM D937)- WITH DIGITAL TIMER
83	EIE-PTGT-147M	STANDARD PENETROMETER FOR PETROLEUM JELLY WITH GEARED HEIGHT ADJUSTMENT AS PER IS 1508 AND 4887
84	EIE-PTEC-141	FOAMING TENDENCIES OF ENGINE COOLANT - (ASTM D1881)
85	EIE-PTEC-142	BOILING POINT OF ENGINE COOLANTS-ASTM D1120
Sr. No.	Model No.	GENERAL LAB EQUIPMENTS
1	EIE-101TP64	HOT AIR OVEN-THERMOSTATIC-NON DIGITAL-35X35X35 CM-250C-INNER S.S. CHAMBER
2	EIE-101TP92	HOT AIR OVEN-THERMOSTATIC -NON DIGITAL-45X45X45 CM-250C-S.S. CHAMBER
3	EIE-101TP121	HOT AIR OVEN-THERMOSTATIC-NON DIGITAL-60X45X45-250C-S.S. CHAMBER
4	EIE-101TP216	HOT AIR OVEN-THERMOSTATIC-NON DIGITAL-60X60X60-250C-S.S. CHAMBER
5	EIE-101TP324	HOT AIR OVEN-THERMOSTATIC-NON DIGITAL-90X60X60-250 C-S.S. CHAMBER
6	EIE-101DP64	HOT AIR OVEN-DIGITAL-35X35X35 CM-250C-INNER S.S. CHAMBER
7	EIE-101DP92	HOT AIR OVEN-DIGITAL-45X45X45 CM-250C-INNER S.S. CHAMBER
8	EIE-101DP121	HOT AIR OVEN-DIGITAL-60X45X45 CM-250C-INNER S.S. CHAMBER
9	EIE-101DP216	HOT AIR OVEN-DIGITAL-60X60X60 CM-250C-INNER S.S. CHAMBER
10	EIE-101DP324	HOT AIR OVEN-DIGITAL-90X60X60 CM-250C-INNER S.S. CHAMBER
11	EIE-101DP562	HOT AIR OVEN - DIGITAL - 250 C - FAC - 75 X 75 X 100 CM
12	EIE-101DP1000	HOT AIR OVEN - DIGITAL-100X100X100-250C-INNER S.S.
13	EIE-101DP1562	HOT AIR OVEN - DIGITAL - 250 C - FAC - 125 X 125 X 100 CM
14	EIE-101DP4000	HOT AIR OVEN - DIGITAL-100 X 100 X 200 CM-250°C-INNER S.S.
15	EIE-101DG64	HOT AIR OVEN - GMP-35X35X35
16	EIE-101DG92	HOT AIR OVEN - GMP-45X45X45
17	EIE-101DG216	HOT AIR OVEN - GMP-60X60X60



Foaming characteristic  
of lubricating oil



Grease Drop Point Apparatus



Kinematic Viscosity Bath

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	GENERAL LAB EQUIPMENTS
18	EIE-101DG324	HOT AIR OVEN - GMP-90X60X60
19	EIE-101DG243	HOT AIR OVEN - GMP-90X60X45
20	EIE-101DG121	HOT AIR OVEN - GMP-60X45X45
21	EIE-102DP64	UNIVERSAL OVEN-DIGITAL-300°C-35X35X35 CM
22	EIE-102DP92	UNIVERSAL OVEN-DIGITAL-300°C-45X45X45 CM
23	EIE-102DP121	UNIVERSAL OVEN-DIGITAL-300°C-60X45X45 CM
24	EIE-102DP216	UNIVERSAL OVEN-DIGITAL-300°C-60X60X60 CM
25	EIE-102DP324	UNIVERSAL OVEN-DIGITAL-300°C-90X60X60 CM
26	EIE-103DP64	HIGH TEMPERATURE OVEN-450°C-35X35X35
27	EIE-103DP92	HIGH TEMPERATURE OVEN-450C-45X45X45
28	EIE-103DP121	HIGH TEMPERATURE OVEN-450C-60X45X45
29	EIE-103DP216	HIGH TEMPERATURE OVEN-450C-60X60X60
30	EIE-103DP324	HIGH TEMPERATURE OVEN-450°C-90X60X60
31	EIE-104ROP08	VACUUM OVEN-S.S. CHAMBER-20 CM DIA. X 25 CM
32	EIE-104ROP14	VACUUM OVEN-S.S. CHAMBER-25 CM DIA. X 30 CM
33	EIE-104ROP21	VACUUM OVEN-S.S. CHAMBER-30 CM DIA. X 30 CM
34	EIE-104ROP27	VACUUM OVEN-S.S. CHAMBER-30 CM DIA. X 38 CM
35	EIE-104ROG08	VACUUM OVEN-GMP-20 CM DIA. X 25 CM
36	EIE-104ROG14	VACUUM OVEN-GMP-25 CM DIA. X 30 CM
37	EIE-104ROG21	VACUUM OVEN-GMP-30 CM DIA. X 30 CM
38	EIE-104ROG27	VACUUM OVEN-GMP-30 CM DIA. X 38 CM
39	EIE-106RP92	HUMIDITY OVEN-REFRIGERATED-INNER S.S.-45X45X45 CM
40	EIE-106RG92	HUMIDITY OVEN-REFRIGERATED-GMP MODEL-45X45X45 CM
41	EIE-106RPT92	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-INNER S.S.-45X45X45 CM
42	EIE-106RGT92	HUMIDITY OVEN (STABILITY CHAMBER)-WITH PLC, HMI & 21 CFR SOFTWARE-REFRIGERATED-GMP MODEL-(45X45X45 CM)
43	EIE-106RP175	HUMIDITY OVEN-REFRIGERATED-INNER S.S.-70X50X50 CM
44	EIE-106RG175	HUMIDITY OVEN-REFRIGERATED-GMP MODEL-70X50X50 CM
45	EIE-106RPT175	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-INNER S.S.-70X50X50 CM



RPVOT Test Apparatus



Existent Gum Content Apparatus



Motorized Grease Worker

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	GENERAL LAB EQUIPMENTS
46	EIE-106RGT175	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-GMP MODEL-70X50X50 CM
47	EIE-106RP216	HUMIDITY OVEN-REFRIGERATED-INNER S.S.-60X60X60 CM
48	EIE-106RG216	HUMIDITY OVEN-REFRIGERATED-GMP MODEL-60X60X60 CM
49	EIE-106RPT216	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-INNER S.S.- 60X60X60 CM
50	EIE-106RGT216	HUMIDITY OVEN (STABILITY CHAMBER)-WITH PLC, HMI & 21 CFR SOFTWARE-REFRIGERATED-GMP MODEL-(60X60X60 CM)
51	EIE-106RP324	HUMIDITY OVEN-REFRIGERATED-INNER S.S.-90X60X60 CM
52	EIE-106RG324	HUMIDITY OVEN-REFRIGERATED-GMP MODEL-90X60X60 CM
53	EIE-106RPT324	HUMIDITY OVEN (STABILITY CHAMBER)-WITH PLC,HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-INNER S.S.-90X60X60 CM-
54	EIE-106RGT324	HUMIDITY OVEN (STABILITY CHAMBER)-WITH PLC, HMI & 21 CFR SOFTWARE-REFRIGERATED-GMP MODEL-(90X60X60 CM)
55	EIE-106RP450	HUMIDITY OVEN-REFRIGERATED-INNER S.S.-125X60X60 CM
56	EIE-106RG450	HUMIDITY OVEN-REFRIGERATED-GMP-125X60X60 CM
57	EIE-106RPT450	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-INNER S.S.-125X60X60 CM
58	EIE-106RGT450	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-GMP-125X60X60 CM
59	EIE-106RP612	HUMIDITY OVEN-REFRIGERATED-INNER S.S.-125X70X70 CM
60	EIE-106RG612	HUMIDITY OVEN-REFRIGERATED-GMP-125X70X70 CM
61	EIE-106RPT612	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-INNER S.S.-125X70X70 CM
62	EIE-106RGT612	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-GMP-125X70X70 CM
63	EIE-106RP800	HUMIDITY OVEN-REFRIGERATED-INNER S.S.-125X80X80 CM
64	EIE-106RG800	HUMIDITY OVEN-REFRIGERATED-GMP-125X80X80 CM
65	EIE-106RPT800	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-INNER S.S.-125X80X80 CM



Oxidation Stability of  
Distillate Fuel Oil



Fully automatic Bitumen  
Wax Asphalt Grease Petroleum



Fully Automatic Water  
Separability Test Apparatus

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	GENERAL LAB EQUIPMENTS
66	EIE-106RGT800	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-GMP-125X80X80 CM
67	EIE-106RP1000	HUMIDITY OVEN-REFRIGERATED-INNER S.S.-125X90X90 CM
68	EIE-106RG1000	HUMIDITY OVEN-REFRIGERATED-GMP-125X90X90 CM
69	EIE-106RPT1000	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-INNER S.S.-125X90X90 CM
70	EIE-106RGT1000	HUMIDITY OVEN-WITH PLC HMI TOUCH SCREEN & 21 CFR SOFTWARE-REFRIGERATED-GMP-125X90X90 CM
		<b>OPTIONAL ACCESORIES FOR PLC, HMI MODELS</b>
	EIE-106.01	STANDBY REFRIGERATION SYSTEM FOR HUMIDITY CHAMBER-STABILITY CHAMBER
	EIE-106.02	STANDBY HUMIDITY SYSTEM FOR HUMIDITY CHAMBER-STABILITY CHAMBER
	EIE-106.03	DATA LOGGER-08 CHANNEL-UNIMAP UNIFORMITY MODULE(4 RTD SENSOR,4 RH SENSOR)
	EIE-106.04	GSM MODULE-HUMITHERM ULTRA-MOBILE MESSAGE ALERT SYSTEM
	EIE-106.05	VALIDATION OF HUMIDITY CHAMBERS (STABILITY CHAMBERS)
71	EIE-107DP2.25	MUFFLE FURNACE-9" X 4" X 4"-900°C-DIGITAL-
72	EIE-107DG2.25	MUFFLE FURNACE-9" X 4" X 4"-900°C - GMP MODEL
73	EIE-107DP4	MUFFLE FURNACE-10" X 5" X 5"-900°C-DIGITAL
74	EIE-107DG4	MUFFLE FURNACE-10" X 5" X 5"-900°C-DIGITAL-GMP
75	EIE-107DP7	MUFFLE FURNACE-12" X 6" X 6"-900°C-DIGITAL
76	EIE-107DG7	MUFFLE FURNACE-12" X 6" X 6"-900°C-DIGITAL-GMP
77	EIE-107DP12	MUFFLE FURNACE-12" X 8" X 8"-900°C-DIGITAL
78	EIE-107DG12	MUFFLE FURNACE-12 X 8 X 8-900C-DIGITAL-GMP
79	EIE-107DP23	MUFFLE FURNACE-18" X 9" X 9"-900°C-DIGITAL
80	EIE-107DG23	MUFFLE FURNACE-18 X 9 X 9-900C-DIGITAL-GMP
81	EIE-109C2	FLOCULATOR - JAR TEST APPARATUS-M.S. BODY WITH DIGITAL RPM INDICATOR-1 LITER X 2 STIRRER.
82	EIE-109C4	FLOCULATOR - JAR TEST APPARATUS-M.S. BODY WITH DIGITAL RPM INDICATOR-1 LITER X 4 STIRRER.
83	EIE-109C6	FLOCULATOR - JAR TEST APPARATUS-M.S. BODY WITH DIGITAL RPM INDICATOR-1 LITER X 6 STIRRER.
84	EIE-113P12100	ROTARY SHAKING MACHINE - PORTABLE MODEL - 12" X 12" - 12 FLASKS OF 100 ML



Foaming Characteristic of Engine Coolant



Grease Penetrometer



Foaming Characteristic of Lubricating Oil Single Test Cylinder



Conradson Carbon Test Apparatus

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	GENERAL LAB EQUIPMENTS
85	EIE-113P18500	ROTARY SHAKING MACHINE - PORTABLE MODEL - 18 X 18 - 16 FLASKS OF 500 ML
86	EIE-113DP25	ROTARY SHAKING MACHINE FOR FLASKS - PLATFORM SIZE 22"X 22"
87	EIE-113P24	ROTARY SHAKING MACHINE FOR FLASKS - PLATFORM SIZE 24"X 24"
88	EIE-113P36	ROTARY SHAKING MACHINE FOR FLASKS - PLATFORM SIZE 36"X 36"
89	EIE-201DP43	BACTERIOLOGICAL INCUBATOR-DIGITAL-INNER S.S.-35X35X35 CM
90	EIE-201DG43	BACTERIOLOGICAL INCUBATOR-DIGITAL-GMP-35X35X35 CM
91	EIE-201DP92	BACTERIOLOGICAL INCUBATOR-DIGITAL- INNER S.S. -45X45X45
92	EIE-201DG92	BACTERIOLOGICAL INCUBATOR-DIGITAL-GMP-45X45X45 CM
93	EIE-201DP121	BACTERIOLOGICAL INCUBATOR-DIGITAL-INNER S.S.-60X45X45 CM
94	EIE-201DG121	BACTERIOLOGICAL INCUBATOR-DIGITAL-GMP-60X45X45 CM
95	EIE-201DP216	BACTERIOLOGICAL INCUBATOR-DIGITAL-INNER S.S. -60X60X60
96	EIE-201DG216	BACTERIOLOGICAL INCUBATOR-DIGITAL-GMP-60X60X60 CM
97	EIE-201DP324	BACTERIOLOGICAL INCUBATOR-DIGITAL-INNER S.S.-90X60X60 CM
98	EIE-201DG324	BACTERIOLOGICAL INCUBATOR-DIGITAL-GMP-90X60X60 CM
99	EIE-202DP92	B.O.D. INCUBATOR-INNER S.S.-45X45X45 CM
100	EIE-202DG92	B.O.D. INCUBATOR-GMP-45X45X45 CM
101	EIE-202DP175	B.O.D. INCUBATOR-INNER S.S.-70X50X50 CM
102	EIE-202DG175	B.O.D. INCUBATOR-GMP-70X50X50 CM
103	EIE-202DP216	B.O.D. INCUBATOR-INNER S.S.-60X60X60 CM
104	EIE-202DG216	B.O.D. INCUBATOR-GMP-60X60X60 CM
105	EIE-202DP324	B.O.D. INCUBATOR-INNER S.S.-90X60X60 CM
106	EIE-202DG324	B.O.D. INCUBATOR-GMP-90X60X60 CM
107	EIE-202DP450	B.O.D. INCUBATOR-INNER S.S.-125X60X60 CM
108	EIE-202DG450	B.O.D. INCUBATOR-GMP-125X60X60 CM-
109	EIE-202DP612	B.O.D. INCUBATOR-INNER S.S.-125X70X70 CM
110	EIE-202DG612	B.O.D. INCUBATOR-GMP-125X70X70 CM
111	EIE-202DP800	B.O.D. INCUBATOR-INNER S.S.-125X80X80 CM
112	EIE-202DG800	B.O.D. INCUBATOR-GMP-125X80X80 CM
113	EIE-202DP1000	B.O.D. INCUBATOR-INNER S.S.-125X90X90 CM
114	EIE-203DPH2509	ORBITAL SHAKING INCUBATOR-HEATING-250 ML X 9 FLASK
115	EIE-203DPH2516	ORBITAL SHAKING INCUBATOR-HEATING-250 ML X 16 FLASK



4 Test Foaming  
Characteristic of Lube Oil



Copper Strip Corrosion Test Apparatus

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	GENERAL LAB EQUIPMENTS
116	EIE-203DPH2525	ORBITAL SHAKING INCUBATOR-HEATING-250 ML X 25 FLASK
117	EIE-203DPH5009	ORBITAL SHAKING INCUBATOR-HEATING-500 ML X 9 FLASK
118	EIE-203DPH1004	ORBITAL SHAKING INCUBATOR-HEATING-1000 ML X 4 FLASK
119	EIE-203DPH1009	ORBITAL SHAKING INCUBATOR-HEATING-1000 ML X 9 FLASK
120	EIE-203RDP2509	ORBITAL SHAKING INCUBATOR-HEATING & COOLING-250 ML X 9 FLASK
121	EIE-203RDP2516	ORBITAL SHAKING INCUBATOR-HEATING & COOLING-250 ML X 16 FLASK
122	EIE-203RDP2525	ORBITAL SHAKING INCUBATOR-HEATING & COOLING-250 ML X 25 FLASK
123	EIE-203RDP2536	ORBITAL SHAKING INCUBATOR-HEATING AND COOLING-250 ML X 36 FLASK
124	EIE-203RDP5009	ORBITAL SHAKING INCUBATOR-HEATING & COOLING-500 ML X 9 FLASK
125	EIE-203RDP5016	ORBITAL SHAKING INCUBATOR-HEATING & COOLING-500 ML X 16 FLASK
126	EIE-203RDP1004	ORBITAL SHAKING INCUBATOR-HEATING & COOLING-1000 ML X 4 FLASK
127	EIE-203RDP1009	ORBITAL SHAKING INCUBATOR-HEATING & COOLING-1000 ML X 9 FLASK
128	EIE-203DPH2509	ORBITAL SHAKING INCUBATOR-HEATING-250 ML X 9 FLASK
129	EIE-206GFA178	VERTICAL AUTOCLAVES-GMP-FULLY AUTOMATIC-(55 X 75 CM) (D X H)
130	EIE-206GFA95	VERTICAL AUTOCLAVES-GMP-FULLY AUTOMATIC-(45 X 60 CM) (D X H)
131	EIE-206GFA53	VERTICAL AUTOCLAVES-GMP-FULLY AUTOMATIC-(35 X 55 CM) (D X H)
132	EIE-206GFA35	VERTICAL AUTOCLAVES-GMP-FULLY AUTOMATIC-(30 X 50 CM) (D X H)
133	EIE-210CPE20	ROUND HOT PLATE-C.I. TOP-ENERGY REGULATOR-20 CM
134	EIE-210CPD20	ROUND HOT PLATE-C.I. TOP-DIGITAL-20 CM
135	EIE-210SPD20	ROUND HOT PLATE-S.S. TOP-DIGITAL-20 CM
136	EIE-210GE20	ROUND HOT PLATE-S.S. TOP/S.S. BODY-ENERGY REGULATOR-20 CM
137	EIE-210GD20	ROUND HOT PLATE-S.S. TOP/S.S. BODY-DIGITAL-20 CM-
138	EIE-210CPE23	ROUND HOT PLATE-C.I. TOP-ENERGY REGULATOR-23 CM
139	EIE-210CPD23	ROUND HOT PLATE-C.I. TOP-DIGITAL-23 CM
140	EIE-210SPD23	ROUND HOT PLATE-S.S. TOP-DIGITAL-23 CM-
141	EIE-210GE23	ROUND HOT PLATE-S.S. TOPS.S. BODY-ENERGY REGULATOR-23 CM
142	EIE-210GD23	ROUND HOT PLATE-S.S. TOP/S.S. BODY-DIGITAL-23 CM-
143	EIE-210CPE30	ROUND HOT PLATE-C.I. TOP-ENERGY REGULATOR-30 CM
144	EIE-210CPD30	ROUND HOT PLATE-C.I. TOP-DIGITAL-30 CM
145	EIE-210SPD30	ROUND HOT PLATE-S.S. TOP-DIGITAL-30 CM
146	EIE-210GE30	ROUND HOT PLATE-S.S. TOPS.S. BODY-ENERGY REGULATOR-30 CM



Foaming characteristic  
of lubricating oil



Grease Drop Point Apparatus



Kinematic Viscosity Bath

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	GENERAL LAB EQUIPMENTS
147	EIE-210GD30	ROUND HOT PLATE-S.S. TOP/S.S. BODY-DIGITAL-30 CM
148	EIE-211CPE25X30	RECTANGULAR HOT PLATE-C.I. TOP-ENERGY REGULATOR-25 X 30 CM
149	EIE-211CPD25X30	RECTANGULAR HOT PLATE-C.I. TOP-DIGITAL-25 X 30 CM
150	EIE-211SPD25X30	RECTANGULAR HOT PLATE- S.S. TOP/CRC BODY-DIGITAL-(25 X 30 CM)
151	EIE-211SPE25X30	RECTANGULAR HOT PLATE- S.S. TOP/CRC BODY-ENERGY REGULATOR-25 X 30 CM
152	EIE-211GD25X30	RECTANGULAR HOT PLATE-S.S. TOPS.S. BODY-DIGITAL-25 X 30 CM
153	EIE-211CPE30X45	RECTANGULAR HOT PLATE-C.I. TOP-ENERGY REGULATOR-30 X 45 CM
154	EIE-211CPD30X45	RECTANGULAR HOT PLATE-C.I. TOP-DIGITAL-30 X 45 CM
155	EIE-211GE30X45	RECTANGULAR HOT PLATE-S.S. TOP/S.S. BODY-ENERGY REGULATOR-30 X 45 CM
156	EIE-211SPD30X45	RECTANGULAR HOT PLATE- S.S. TOP/CRC BODY-DIGITAL-30 X 45 CM
157	EIE-211GD30X45	RECTANGULAR HOT PLATE-S.S. TOP/S.S. BODY-DIGITAL-30 X 45 CM
158	EIE-211CPE45X60	RECTANGULAR HOT PLATE-C.I. TOP-ENERGY REGULATOR-45 X 60 CM
159	EIE-211CPD45X60	RECTANGULAR HOT PLATE-C.I. TOP-DIGITAL-45 X 60 CM
160	EIE-211SPE45X60	RECTANGULAR HOT PLATE- S.S. TOP/CRC BODY-ENERGY REGULATOR-45 X 60 CM
161	EIE-211SPD45X60	RECTANGULAR HOT PLATE- S.S. TOP/CRC BODY-DIGITAL-45 X 60 CM
162	EIE-211GD45X60	RECTANGULAR HOT PLATE-S.S. TOP/S.S. BODY-DIGITAL-45 X 60 CM
163	EIE-212SPD	SLIDE WARMING TABLE-SS TOP-30 X 22 X 15 CM
164	EIE-217DP25	C.O.D. DIGESTION APPARATUS - FOR 25 SAMPLES WITH GLASSWARE
165	EIE-217DP15	C.O.D. DIGESTION APPARATUS - FOR 15 SAMPLES - WITH GLASSWARE
166	EIE-217DP06	C.O.D. DIGESTION APPARATUS - FOR 6 SAMPLES WITH GLASSWARE
167	EIE-402TP06	DOUBLE WALLED WATERBATH RECTENGULAR-INNER SS-THERMOSTATIC-6 HOLES-35 X 25 X 10 CM
168	EIE-402TP12	DOUBLE WALLED WATERBATH RECTENGULAR-INNER SS-THERMOSTATIC-12 HOLES-40 X 30 X 10 CM
169	EIE-402DP06	DOUBLE WALLED WATERBATH RECTENGULAR-INNER SS-DIGITAL-6 HOLES-35 X 25 X 10 CM
170	EIE-402DP12	DOUBLE WALLED WATERBATH RECTENGULAR-INNER SS-DIGITAL-12 HOLES-40 X 30 X 10 CM
171	EIE-402TG06	DOUBLE WALLED WATERBATH RECTENGULAR-COMPLETE SS-THERMOSTATIC-6 HOLES-35 X 25 X 10 CM



RPVOT Test Apparatus



Existent Gum Content Apparatus



Motorized Grease Worker

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	GENERAL LAB EQUIPMENTS
172	EIE-402TG12	DOUBLE WALLED WATERBATH RECTENGULAR-COMPLETE SS-THERMOSTATIC-12 HOLES-40 X 30 X 10 CM
173	EIE-402DG06	DOUBLE WALLED WATERBATH RECTENGULAR-COMPLETE SS-DIGITAL-6 HOLES-35 X 25 X 10 CM
174	EIE-402DG12	DOUBLE WALLED WATERBATH RECTENGULAR-COMPLETE SS-DIGITAL-12 HOLES-40 X 30 X 10 CM
175	EIE-404TP2	SEROLOGICAL WATERBATH - THERMOSTATIC - SIZE 300 X 250 X 175 MM 2 RACKS-
176	EIE-404DP2	SEROLOGICAL WATERBATH DIGITAL WITH STIRRER INNER S.S. 300 X 250 X 175 MM - 2 RACKS
177	EIE-404DG2	SEROLOGICAL WATERBATH- DIGITAL WITH STIRRER - COMPLETE S.S. 300 x 250 x 175 MM-2 RACKS
178	EIE-404TP4	SEROLOGICAL WATERBATH - THERMOSTATIC - SIZE 325 X 300 X 175 MM - 4 RACKS
179	EIE-404DP4	SEROLOGICAL WATERBATH DIGITAL WITH STIRRER INNER S.S. 325 X 300 X 175 MM 4 RACKS
180	EIE-404DG4	SEROLOGICAL WATERBATH DIGITAL WITH STIRRER COMPLETE S.S. 325 X 300 X 175 MM - 4 RACKS
181	EIE-404TP6	SEROLOGICAL WATERBATH - THERMOSTATIC - SIZE :450 X 300 X 175 MM - 6 RACKS
182	EIE-404DP6	SEROLOGICAL WATERBATH DIGITAL WITH STIRRER INNER S.S. 450 X 300 X 175 MM - 6 RACKS
183	EIE-404DG6	SEROLOGICAL WATERBATH- DIGITAL WITH STIRRER - COMPLETE S.S. - SIZE :450 X 300 X 175 MM - 6 RACKS
184	EIE-404TP8	SEROLOGICAL WATERBATH - THERMOSTATIC - SIZE - 600 X 300 X 175 MM - 8 RACKS
185	EIE-404DP8	SEROLOGICAL WATERBATH DIGITAL WITH STIRRER INNER S.S. 600 X 300 X 175 MM - 8 RACKS
186	EIE-404DG8	SEROLOGICAL WATERBATH- DIGITAL WITH STIRRER - COMPLETE S.S. 600 x 300 x 175 MM-8 RACKS
187	EIE-405DP45	WATERBATH INCUBATOR SHAKER-SHAKING WATERBATH-INNER S.S.-20" X 18" X 8"
188	EIE-405DP30	WATERBATH INCUBATOR SHAKER-SHAKING WATERBATH-INNER S.S.-15" X 16" X 8"
189	EIE-405DS60	WATERBATH INCUBATOR SHAKER-SHAKING WATERBATH-12 X 500 ML-COMPLETE S.S.
190	EIE-406DP15	CONSTANT TEMPERATURE WATERBATH HIGH PRECISION-30X25X20-INNER S.S. CHAMBER
191	EIE-406DG15	CONSTANT TEMP. WATERBATH HIGH PRECISION-30X25X20-COMPLETE S.S.



Oxidation Stability of Distillate Fuel Oil



Fully automatic Bitumen Wax Asphalt Grease Petroleum



Fully Automatic Water Separability Test Apparatus

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	GENERAL LAB EQUIPMENTS
192	EIE-406DP18	CONSTANT TEMP. WATERBATH HIGH PRECISION-35X30X17.5-INNER S.S.
193	EIE-406DG18	CONSTANT TEMP. WATERBATH HIGH PRECISION-35X30X17.5-COMPLETE S.S.
194	EIE-406DP24	CONSTANT TEMPERATURE WATERBATH HIGH PRECISION-45X30X17.5-INNER S.S. CHAMBER
195	EIE-406DG24	CONSTANT TEMPERATURE WATERBATH HIGH PRECISION-45X30X17.5-COMPLETE S.S.
196	EIE-406DP34	CONSTANT TEMPERATURE WATERBATH HIGH PRECISION-45X30X25-INNER S.S. CHAMBER
197	EIE-406DG34	CONSTANT TEMPERATURE WATERBATH HIGH PRECISION-45X30X25-COMPLETE S.S.
198	EIE-406DP47	CONSTANT TEMPERATURE WATERBATH HIGH PRECISION-45X35X30-INNER S.S. CHAMBER
199	EIE-406DG47	CONSTANT TEMPERATURE WATERBATH HIGH PRECISION-45X35X30-COMPLETE S.S. CHAMBER
200	EIE-407PD27	OIL BATH (HIGH PRECISION)-INNER S.S.- (30X30X30 CM)-
201	EIE-407PD36	OIL BATH (HIGH PRECISION)-INNER S.S.- (40X30X30 CM)-
202	EIE-407DG1	OIL BATH - ROUND - FOR PILOT PLANT - COMPLETE S.S. - 1 LTR.
203	EIE-407DG2	OIL BATH - ROUND - FOR PILOT PLANT - COMPLETE S.S. - 3 LTR.
204	EIE-407DG3	OIL BATH - ROUND - FOR PILOT PLANT - COMPLETE S.S. - 5 LTR.
205	EIE-409DP	DRY BATH-MULTI BLOCK HEATER-DIGITAL-FOR BOTTLES & TEST TUBES
206	EIE-410-BADP02	KINEMATIC VISCOSITY BATH BELOW AMBIENT-FOR 2 VISCOMETERS
207	EIE-410-BADP04	KINEMATIC VISCOSITY BATH BELOW AMBIENT-FOR 4 VISCOMETERS
208	EIE-410AADP02	KINEMATIC VISCOSITY BATH ABOVE AMBIENT-FOR 2 VISCOMETERS
209	EIE-410AADP04	KINEMATIC VISCOSITY BATH ABOVE AMBIENT-FOR 4 VISCOMETERS
210	EIE-410AADP06	KINEMATIC VISCOSITY BATH ABOVE AMBIENT-FOR 6 VISCOMETERS
211	EIE-412DP-10	ULTRA CRYOSTAT CIRCULATOR (-10°C TO 100°C)-
212	EIE-412DP-20	ULTRA CRYOSTAT CIRCULATOR (-20°C TO 100°C)-
213	EIE-412DP-40	ULTRA CRYOSTAT CIRCULATOR (-40°C TO AMBIENT)-
214	EIE-412(S)	LOW TEMPERATURE WATERBATH- + 5 °C TO +50 °C
215	EIE-412(US)	ULTRA LOW TEMP.BATH - -40°C TO +50°C
216	EIE-412(UKS)	ULTRA CRYOSTAT BATH- AMBIENT TO -80°C
217	EIE-415-EP06	SAND BATH-ENERGY REGULATOR-30X20X10 CM-
218	EIE-415-DP06	SAND BATH-DIGITAL CONTROLLER-30X20X10 CM-
219	EIE-415-EP11	SAND BATH-ENERGY REGULATOR-40X28X10 CM-
220	EIE-415-DP11	SAND BATH-DIGITAL CONTROLLER-40X28X10 CM-
221	EIE-409DP	DRY BATH-MULTI BLOCK HEATER-DIGITAL-FOR BOTTLES & TEST TUBES
222	EIE-WT-1001	JACKSON TURBIDIMETER



Foaming Characteristic  
of Engine Coolant



Grease Penetrometer



Foaming Characteristic of  
Lubricating Oil Single Test Cylinder



Conradson Carbon  
Test Apparatus

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

Sr. No.	Model No.	PAPER AND PACKAGING TEST EQUIPMENTS
1	EIE-PT-101SH25	BURSTING STRENGTH TESTER-25 KG/CM <sup>2</sup> -FULLY AUTOMATIC OPERATION
2	EIE-PT-101SH50	BURSTING STRENGTH TESTER - 50 KG/CM <sup>2</sup> - FULLY AUTOMATIC OPERATION
3	EIE-PT-103DP100	BOX COMPRESSION STRENGTH TESTER-1000 X 1000 MM
4	EIE-PT-103DP60	BOX COMPRESSION STRENGTH TESTER-600 X 600 MM
5	EIE-PT-103DP45	BOX COMPRESSION STRENGTH TESTER-450 X 450 MM
6	EIE-PT-104	PAPER TUBE & PAPER CONE COMPRESSION TESTER-COLLAPSE TESTER
7	EIE-PT-105	COBB SIZING TESTER-(WATER ABSORPTION TEST OF PAPER)-(TAPPI T441)
8	EIE-PT-109A	PACKAGE DROP TESTER-1.5 METER-(MOTORIZED HEIGHT ADJUSTMENT)-(WITH PNEUMATIC RELEASE MECHANISM)
9	EIE-PT-110D	CRUSH RESISTANCE TESTER - DIGITAL MODEL - 500 KGF - RCT, ECT, FCT, PAT TESTER
10	EIE-PT-114DL50	VIBRATION TESTER-50 KG-LARGE PLATFORM SIZE-800 X 600 MM-L X W
11	EIE-PT-114DS50	VIBRATION TESTER-50KG-SMALL PLATFORM SIZE-500 X 500MM
12	EIE-PT-115DP25	TENSILE TESTING MACHINE-0.25 KN-WITH PC INTERFACE AND SOFTWARE
13	EIE-PT-115DP50	TENSILE TESTING MACHINE-0.5 KN-WITH PC INTERFACE AND SOFTWARE
14	EIE-PT-115DP100	TENSILE TESTING MACHINE-1.0 KN-WITH PC INTERFACE AND SOFTWARE
15	EIE-PT-115DP250	TENSILE TESTING MACHINE-2.5 KN-WITH PC INTERFACE AND SOFTWARE
16	EIE-PT-115DP500	TENSILE TESTING MACHINE-5 KN-WITH PC INTERFACE AND SOFTWARE
17	EIE-PT-115DP1000	TENSILE TESTING MACHINE-10 KN-WITH PC INTERFACE AND SOFTWARE
18	EIE-PT-115DP2500	TENSILE TESTING MACHINE-25 KN-WITH PC INTERFACE AND SOFTWARE
19	EIE-PT-115DP5000	TENSILE TESTING MACHINE-50 KN-WITH PC INTERFACE AND SOFTWARE
20	EIE-PT-115DP10000	TENSILE TESTING MACHINE-100 KN-WITH PC INTERFACE AND SOFTWARE
21	EIE-PT-115DL530	UNIVERSAL TESTING MACHINE-DUAL LOAD CELLS-5KN, 30KN--BIS 15477-2019-FOR TENSILE AND SHEAR ADHESION TEST
22	EIE-PT-116	PIN HOLE TESTER - TABLE TOP MODEL-
23	EIE-GT-104R10D2I	THICKNESS GAUGE-(DIGITAL)-(DEAD WEIGHT TYPE)-(2 KPA)-(1 MICRON X 10 MM)-(INSIZE)
24	EIE-222M	COLLAPSIBILITY TESTER FOR ALUMINIUM SQUEEZE TUBE (ANNEALING TESTER)
25	961	LEAK TEST APPARATUS-DIGITAL-12 INCH DESICCATOR - 961
26	961	LEAK TEST APPARATUS-DIGITAL-8 INCH DESICCATOR - 961
27	961	LEAK TEST APPARATUS-DIGITAL-6 INCH DESICCATOR - 961
28	1961	MICROPROCESSOR LEAK TEST APPARATUS (12" DESICCATOR) - 1961
29	1961	MICROPROCESSOR LEAK TEST APPARATUS (8" DESICCATOR) - 1961



4 Test Foaming Characteristic of Lube Oil



Copper Strip Corrosion Test Apparatus

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

NABL CALIBRATION SERVICES		
Sr. No.	ITEM NAME	Range of Calibration Capability
1	CALIBRATION OF COMPRESSION TESTING MACHINE	Up to 3000 KN
2	CALIBRATION OF UNIVERSAL TESTING MACHINE	Tension Mode :250 N to 50 KN, Compression mode :250 N to 3000 KN
3	CALIBRATION OF TENSILE TESTING MACHINE	Tension Mode :250 N to 50 KN, Compression mode : 250 N to 3000 KN
4	CALIBRATION OF VIBRATING MACHINE	10 Sec to 1 Hr, 20 rpm to 20000 rpm
5	CALIBRATION OF PROVING RING	Up to 100 KN
6	CALIBRATION OF RPM INDICATOR TACHOMETER	20 to 20000 rpm
7	CALIBRATION OF LABORATORY STIRRER DIGITAL	20 to 20000 rpm
8	CALIBRATION OF FLOCULATOR	20 to 20000 rpm
9	CALIBRATION OF CENTRIFUGE	20 to 20000 rpm
10	CALIBRATION OF PRESSURE GAUGE	1 to 700 bar
11	CALIBRATION OF AUTOCLAVE	80 to 1200°C      1 to 700 bar
12	CALIBRATION OF PRESSURE TRANSMITTER (0 TO 700 BAR)	1 to 700 bar
13	CALIBRATION OF PRESSURE CALIBRATOR	1 to 700 bar
14	CALIBRATION OF DIAL/DIGITAL VACUUM GAUGE, INDICATORS AND CALIBRATORS	0.9 to 1 bar
15	CALIBRATION OF HUMIDITY CONTROLLER/INDICATOR	10 to 100 % RH
16	CALIBRATION OF THERMO HYGROMETER WITH TIMER	35 to 95 % RH      10 50°C      10 Sec to 1 Hr
17	CALIBRATION OF THERMO HYGROMETER	35 to 95 % RH      1050°C
18	CALIBRATION OF HUMIDITY OVEN	35 to 95 % RH      1050°C
19	CALIBRATION OF WALKINSTABILITY CHAMBER	35 to 95 % RH      1050°C
20	CALIBRATION OF GLASS THERMOMETER (DRY & WET)	80 to 250°C
21	CALIBRATION OF GLASS THERMOMETER	80 to 600°C
22	CALIBRATION OF DIGITAL THERMOMETER	80 to 1200°C



Foaming characteristic of lubricating oil



Grease Drop Point Apparatus



Kinematic Viscosity Bath

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

NABL CALIBRATION SERVICES		
Sr. No.	ITEM NAME	Range of Calibration Capability
23	CALIBRATION OF DIGITAL TEMPERATURE INDICATOR WITH SENSOR	200 to 1760°C
24	CALIBRATION OF RING & BALL (SOFTENING POINT) DIGITAL	200 to 160 °C
25	CALIBRATION OF VISCOSITY BATH	80 to 300°C
26	CALIBRATION OF DEEP FREEZER	80 to 0°C
27	CALIBRATION OF FLASH POINT APPARATUS DIGITAL	80 to 400°C
28	CALIBRATION OF DIAL THERMOMETER	80 to 1200°C
29	CALIBRATION OF TEMPERATURE SCANNER	200 to 1760°C
30	CALIBRATION OF HOT AIR OVEN DIGITAL	30 to 500°C
31	CALIBRATION OF MUFFLE FURNACE	30 to 1200°C
32	CALIBRATION OF COD DIGESTOR	30 to 200°C
33	CALIBRATION OF WATERBATH	80 to 100°C
34	CALIBRATION OF BOD INCUBATOR	10 to 100°C
35	CALIBRATION OF DUCTILITY TESTING MACHINE DIGITAL	10 to 50°C
36	CALIBRATION OF VACUUM OVEN	30 to 200°C
37	CALIBRATION OF REFRIGERATOR	80 to 10°C
38	CALIBRATION OF LOW TEMPERATURE BATH	80 to 10°C
39	CALIBRATION OF ACCELERATED CURING TANK	30 to 100°C
40	CALIBRATION OF THIN FILM OVEN	30 to 200°C
41	CALIBRATION OF BACTERIOLOGICAL INCUBATOR	30 to 100°C
42	CALIBRATION OF DIGITAL TIMER	10 sec to 1 hr
43	CALIBRATION OF STOP WATCH DIGITAL	10 sec to 1 hr
44	CALIBRATION OF SIEVE SHAKER TIMER ONLY	10 Sec to 1 Hr
45	CALIBRATION OF STANDARD PENETROMETER Timer only	10 Sec to 1 Hr
46	CALIBRATION OF WEIGHT BOX (UP TO E2 CLASS)	1 mg to 500 g



RPVOT Test Apparatus



Existent Gum Content Apparatus



Motorized Grease Worker

# Laboratory Equipments for Petroleum Oil and Lubricant Testing

NABL CALIBRATION SERVICES		
Sr. No.	ITEM NAME	Range of Calibration Capability
47	CALIBRATION OF ELECTRONIC MICRO BALANCE	1 mg to 5 gm x 0.001 mg
48	CALIBRATION OF ELECTRONIC BALANCE 200 GM	200 g x 0.1 mg
49	CALIBRATION OF ELECTRONIC BALANCE	Up to 50 kg
50	CALIBRATION OF INFRARED MOISTURE BALANCE	up to 1000 g      30 to 250 °C
51	CALIBRATION OF DIAL GAUGE	0 to 25 mm,      LC: 0.001 mm & Coarser
52	CALIBRATION OF THICKNESS GAUGE/ OUTSIDE MICROMETER	0 to 25 mm,      LC: 0.001 mm & Coarser
53	CALIBRATION OF VERNIER CALIPER	0- 300 mmx 0.01 mm
54	CALIBRATION OF MEASURING TAPE	Up to 50 mtr
55	CALIBRATION OF MEASURING SCALE	Up to 50 mtr
56	CALIBRATION OF COARSE SIEVE (10MM TO 150MM) Price per each size	10 mm to 125 mm
57	CALIBRATION OF FINE SIEVE (45 MIC TO 10MM) Price per each size	45 µm to 10 mm
58	CALIBRATION OF COATING THICKNESS GAUGE	Standard Foils 0.01 to 1 mm
59	SINGLE/MULTI CHANNEL MICRO PIPETTE	1 µl to 10 µl
60	CALIBRATION OF VOLUMETRIC FLASK	10 µl to 2000 ml
61	CALIBRATION OF BURETTE	10 µl to 100 ml
62	CALIBRATION OF PIPETTE	10 µl to 10 ml
63	CALIBRATION OF MICROPIPETTE	10 µl to 2000 ml
64	CALIBRATION OF CBR MACHINE	50 KN 0 - 25 mm,
65	CALIBRATION OF DIRECT SHEAR	50 KN 0 - 25 mm,
66	CALIBRATION OF TRIAXIAL SHEAR	2.0 KN 0 - 25 mm,
67	CALIBRATION OF UNCONFINED COMPRESSION	2.0 KN 0 - 25 mm,
68	CALIBRATION OF SOUND LEVEL METER	94 dB and 114 dB



Oxidation Stability of Distillate Fuel Oil



Fully automatic Bitumen Wax Asphalt Grease Petroleum



Fully Automatic Water Separability Test Apparatus