KENYA PIPELINE COMPANY PLC

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LABORATORY ANALYSIS CHARGES WITH EFFECT FROM 01ST DECEMBER 2026

LUBRICATING OIL		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Appearance	ASTM D4176	1,000.00
Ash	ASTM D482	2,000.00
Kinematic Viscosity 40°C/100°C	ASTM D445	5,000.00
Viscosity Index	ASTM D445	11,000.00
Pour Point	ASTM D97	2,000.00
Colour ASTM	ASTM D1500	1,500.00
Copper Corrosion	ASTM D130	4,000.00
Sulphated Ash	ASTM D874	3,200.00
Flash Point	ASTM D93/D92	3,000.00
Sediments	ASTM D473	2,500.00
Sulphur Content	ASTM D4294	5,000.00
Water Content	ASTM D95	2,000.00
Water Content (Karl Fischer)	ASTM D6304	6,000.00
Density@20°C	ASTM D4052	2,000.00
Total Acid Number (TAN)	ASTM D974/D664	2,500.00
Total Base Number (TBN)	ASTM D974/2896	2,500.00
Conradson Carbon Residue (CCR)	ASTM D189	3,000.00

GASOLINE/PETROL		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Appearance	ASTM D4176	1,000.00
Colour	Visual	1,000.00
Odour	Organoleptic	1,000.00
Copper Corrosion	ASTM D130	4,000.00
Density@15°C/20°C	ASTM D4052	2,000.00
Distillation	ASTM D86	4,000.00
Doctors Test	ASTM D4952/IP 30	1,500.00
Flexible Volatility Index (FVI)	-	6,000.00
Mercaptan Sulphur	ASTM D3227	4,500.00
Existent Gum	ASTM D381	5,000.00
Induction Period	ASTM D525	6,000.00
Lead Content	ASTM D3237/IP 352	3,000.00
Research Octane Number (RON)	ASTM D2699	14,000.00
Motor Octane Number (MON)	ASTM D2700	25,000.00
Reid Vapor Pressure (RVP)	ASTM D323	3,000.00
Oxygenates	ASTM D6839	30,000.00
Sulphur Content	ASTM D4294	5,000.00

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Sulphur Content	ASTM D5453	6,000.00

JET A-1		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Appearance	ASTM D4176	1,000.00
Colour Saybolt	ASTM D156	1,500.00
Particulate Contamination	ASTM D5452	5,000.00
Total Acidity	ASTM D3242	2,500.00
Aromatics	ASTM D1319	6,000.00
Sulphur Content	ASTM D4294	5,000.00
Doctors Test	IP 30	1,500.00
Mercaptan Sulphur	ASTM D3227	4,500.00
Distillation	ASTM D86	4,000.00
Flash Point Abel	IP170	3,000.00
Density@15^{0}C/20^{0}C	ASTM D4052	2,000.00
Freezing Point	ASTM D2386	3,500.00
Kinematic Viscosity@-20^{0}C	ASTM D445	10,000.00
Specific Energy Net MJ/KG	ASTM D3338	10,000.00
Smoke Point	ASTM D1322	2,000.00
Copper Corrosion	ASTM D130	4,000.00
JFTOT	ASTM D3241	30,000.00
Existent Gum	ASTM D381	5,000.00
MSEP	ASTM D3948	12,000.00
MSEP	ASTM D7224	12,000.00
Electrical Conductivity	ASTM D2624	4,000.00
Water Reaction	ASTM D1094	1,200.00
Particle Count	ASTM D7619/IP 565	4,500.00
Char Value	IP 10	3,000.00
Millipore Membrane Analysis	ASTM D5452	4,500.00
FAME	ASTM D7797/IP 583	15,000.00
Microbial Growth Test (MBG)	ASTM D7978/IP 613	20,000.00
Naphthalene	ASTM D1840	13,000.00

AUTOMOTIVE GASOIL/DIESEL		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Appearance	ASTM D4176	1,000.00
Ash	ASTM D482	2,500.00
Cetane Index	ASTM D976	4,500.00
Cold Filter Plugging Point (CFPP)	IP 309	3,000.00
Colour ASTM	ASTM D1500	1,500.00
Copper Corrosion	ASTM D130	4,000.00
Density @15^{0}C/20^{0}C	ASTM D4052	2,000.00
Distillation	ASTM D86	4,000.00
Flash Point	ASTM D93	3,000.00
Kinematic Viscosity@400C/100^{0}C	ASTM D445	5,000.00

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Acid Number	ASTM D974	2,500.00
Strong Acid Number	ASTM D974	2,500.00
Conradson Carbon Residue	ASTM D189	3,000.00
Sediments	ASTM D473	3,000.00
Sulphur Content	ASTM D4294	5,000.00
Sulphur Content	ASTM D5453	6,000.00
Water content	ASTM D95	2,000.00
Cloud Point	ASTM D2500	3,000.00
Water Content (Karl Fischer)	ASTM D6304	6,000.00

ILLUMINATING KEROSENE		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Colour Saybolt	ASTM D156	1,500.00
Electrical Conductivity	ASTM D2624	4,000.00
Smoke Point	ASTM D1322	2,000.00
Sulphur Content	ASTM D4294	5,000.00
Copper Corrosion	ASTM D130	4,000.00
Distillation	ASTM D86	4,000.00
Flash Point	IP 170	3,000.00
Density@15°C/20°C	ASTM D4052	2,000.00
Specific Gravity@60/60 F	ASTM D1298	1,000.00
Appearance	ASTM D4176	1,000.00
Oduor	BS 4250	1,000.00
Char Value	IP 10	3,000.00
Naphthalene	ASTM D1840	13,000.00

HEAVY FUEL OIL		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Ash content	ASTM D482	2,000.00
Asphaltenes	IP 143	5,000.00
Compatibility Test	ASTM D4740	2,000.00
Kinematic Viscosity@50°C/100°C	ASTM D445	5,000.00
Pour Point	ASTM D97	2,000.00
Conradson Carbon Residue	ASTM D189	3,000.00
Calorific Value Gross	ASTM D4868	8,000.00
Calorific Value Net	ASTM D4868	8,000.00
Density@15°C/20°C	ASTM D1298/ D4052	2,000.00
Sulphur content	ASTM D4294	5,000.00
Strong Acid Number	ASTM D974	3,000.00
Total Acid Number	ASTM D974	3,000.00
Flash Point	ASTM D93	3,000.00
Water content	ASTM D95	2,000.00
Sediments by extraction	ASTM D473	3,000.00
Sodium content ppm	IP 464	5,000.00
Vanadium content ppm	IP 464	5,000.00
Aluminum content	IP 464	5,000.00

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Silica content ppm	IP 464	5,000.00
Spot Test Compatibility/Cleanliness	ASTM D4740	2,000.00

LIQUIFIED PETROLEUM GAS (LPG)		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Reid Vapour Pressure (RVP)	ASTM D1267	6,000.00
Copper Corrosion	ASTM D130	4,000.00
Odour Stanching	BS 4250/ASTM D5305	1,000.00
95% Boiling Point	ASTM D1837	5,000.00
Free Water	Visual	2,000.00
Hydrogen Sulphide	ASTM D2420	5,000.00
GC Hydrocarbon Composition	ASTM D2163	27,000.00
Density @ 20°C	IP 235	4,000.00
LPG Sampling	ASTM D4057	10,000.00

CRUDE OIL		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Appearance	ASTM D4167	1,000.00
Sediments	ASTM D473	3,000.00
Density@ 20°C	ASTM D4052	2,000.00
Water Content	ASTM D95	2,000.00
Sulphur Content	ASTM D4294	5,000.00
API Gravity	ASTM D287	2,000.00
Salt Content	IP 265	3,000.00

BITUMEN		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Specific Gravity	ASTM D70	2,500.00
Density@25°C	ASTM D70	2,000.00
Softening Point	ASTM D36	4,000.00
Ductility	ASTM D113	4,000.00
Penetration	ASTM D5	3,500.00
Loss on Heating	IP 45	3,000.00
Penetration after LOH	ASTM D6	3,000.00
Flash point COC	ASTM D92	4,000.00
Solubility In Trichloroethylene	ASTM D2042	2,000.00
Crackle Test	-	2,000.00

INDUSTRIAL DIESEL OIL (IDO)		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Density@15°C/20°C	ASTM D4052	2,000.00
Flash Point	ASTM D93	3,000.00
Strong Acid Number	ASTM D974	3,000.00
Total Acid Number (TAN)	ASTM D974	3,000.00

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Sulphur content	ASTM D4294	5,000.00
Copper corrosion	ASTM D130	4,000.00
Kinematic Viscosity@400C/100^{0}C	ASTM D445	5,000.00
Water content	ASTM D95	2,000.00
Ash content	ASTM D482	2,500.00
Conradson Carbon Residue (CCR)	ASTM D189	3,000.00
Sediment by extraction	ASTM D473	3,000.00
Asphaltenes	IP 143	5,000.00
Calorific Value (Gross)	ASTM D4868	8,000.00
Calorific Value (Net)	ASTM D4868	8,000.00
Each trace metal	IP 464	3,000.00

SOIL ANALYSIS		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Total Petroleum Hydrocarbon (TPH)	EPA 8015C	7,000.00
Polycyclic Aromatic Hydrocarbons (PAH)	EPA 8270C	7,000.00
Volatile Organic Compounds (BTEX)	EPA 8260C	7,000.00
Metal analysis per element	APHA 3050B	2,250.00
Fluorides	APHA 4500-F- D	1,500.00
Nitrates	ISO 7890	1,500.00

EFFLUENT WATER ANALYSIS		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Colour (Hazen)	APHA 2120B	350.00
Oil and Grease	EPA 1664	850.00
Total Dissolved Solids (TDS)	ASTM D5907	500.00
Total Suspended Solids (TSS)	EPA 160.2	500.00
PH	ASTM D1293	500.00
Temperature	APHA 2550	100.00
BOD 5 @ 20^{0}C	APHA 5210B	3,000.00
Chemical oxygen demand (COD)	ASTM D1252	1,500.00
Metal Analysis per element	APHA 3111B	1,250.00
Residual Chlorine	EPA DPD-M-10245	850.00
Phenols	ASTM D1783-01	1,000.00
Sulphides	APHA 4500F	1,000.00
Fecal coliforms	ISO 9308	1,000.00
Total coliforms	1S0 9308	1,000.00
Total Petroleum Hydrocarbon (TPH)	EPA 8015 C	7,000.00
Polycyclic Aromatic Hydrocarbons (PAH)	EPA 8270B	7,000.00
Volatile Organic Compounds VOC (BTEX)	EPA 8260B	7,000.00

DOMETIC WATER ANALYSIS		
Analysis	**Test Method**	**Approved Charges (Kshs.)**
Total Dissolved Solids (TDS)	ASTM D5907	500.00
Total Suspended Solids (TSS)	EPA 160.2	500.00
pH	ASTM D1293	500.00

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Temperature	APHA 2550	100.00
Total Coliforms	ISO 9308	1,000.00
Faecal Coliforms	1S0 9308	1,000.00
Residual Chlorine	EPA DPD-M-10245	850.00
Colour (Hazen)	APHA 2120B	350.00
Chlorine	EPA DPD-M-10245	850.00
Fluoride	APHA 4500-F-D	1,000.00
Nitrates as NO_3	ISO 7890	1,000.00
Nitrites as NO_2	APHA 4500 NO_2B	1,000.00
Sulphates	EPA 375.4	1,000.00
Metal Analysis per element	APHA 3111B	1,000.00
Total Petroleum Hydrocarbon (TPH)	EPA 8015 C	7,000.00
Polycyclic Aromatic Hydrocarbons (PAH)	EPA 8270B	7,000.00
Volatile Organic Compounds VOC (BTEX)	EPA 8260B	7,000.00
Total Alkalinity	APHA 2320	1,000.00
Total hardness as Calcium Carbonate	APHA 2340	1,000.00
Ammonia as NH_3	APHA 4500-NH4	1,000.00
Phosphates as PO_4	APHA 4500- P	1,000.00
Electrical conductivity	APHA 2510	500.00

OTHER LAB SERVICES		
Activity	**Test Method**	**Approved Charges (Kshs.)**
Gas Testing	Instrumental	11,000.00
Sampling	ASTM D4057	5,000.00
Water Sampling	ASTM D 3370	5,000.00
Soil Sampling	US EPA SESDPROC-300	5,000.00

KPC - Public