



ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

MJL Bangladesh PLC

**Lube Oil Blending Plant. Guptakhal, East Patenga
Chattogram-4205, Bangladesh.**

This is to certify that this

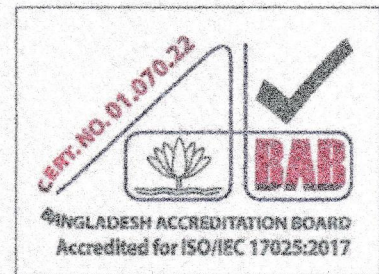
Testing Laboratory

is accredited in accordance with the international standard

ISO/IEC 17025:2017

in respect of the associated scope, subject to the terms and
conditions governing the relevant conformity assessment
body (CAB) accreditation.

Certificate Number : 01.070.22
Accreditation Date : 25 August 2022
Date of Issuance : 25 September 2025 (1st Renewal)
Date of Expiration : 24 August 2028



A. Aminul Islam
25.09.25
Mohd. Aminul Islam
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific
scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address: MJL Bangladesh PLC., Lube Oil Blending Plant, Guptakhal, East Patenga, Chattogram-4205, Bangladesh.

Accreditation Standard: ISO/IEC 17025:2017

Certificate Number: 01.070.22

Last Amended on: NA

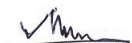
Amendment no: NA

Accreditation Date: 25 August 2022

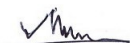
Issued on: 25 September 2025

Valid until: 24 August 2028

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
1	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil and Fuel)	Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration	ASTM D2896	≤300 mg KOH/g.
2	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil, Fuel and Electrical Insulating Oil)	Acid Number of Petroleum Products by Potentiometric Titration	ASTM D664	0.5 mg /g KOH to 90 mg /g KOH
3	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil)	Determination of Additive Elements in Lubricating Oils and Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry.	ASTM D4951, ASTM D5185	Trace Level
4	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil)	Standard Practice For Condition Monitoring Of Used Lubricants By Trend Analysis Using Fourier Transform Infrared (FT-IR) Spectrometry, General Method of Infrared Absorption Analysis & Screening Of New Oil Blends And Additives (Infrared Method)	ASTM E2412, MOBIL LP 13 AMS 1440	4000cm ⁻¹ to 400 cm ⁻¹
5	Petroleum Product (Lubricating Oil)	Phenolic Antioxidants in New and Used Oils (Infrared Method)	AM-S 872	0.1 to 2 wt%
6	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil, Fuel and Electrical Insulating Oil)	Flash Point by Cleveland Open Cup Tester	ASTM D92	above 79 °C (175 °F) and below 400 °C (752 °F)

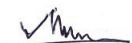

Quality Manager

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
7	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil, Fuel, Coolant and Electrical Insulating Oil)	Pour Point of Petroleum Products	ASTM D6749, ASTM D97	0 °C to -69 °C
8	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil, Fuel and Coolant)	Corrosiveness to Copper from Petroleum Products by Copper Strip Test	ASTM D130	1a to 4c
9	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil, Fuel, Coolant and Electrical Insulating Oil)	Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)	ASTM D445	from 0.2 mm ² /s to 300 000 mm ² /s
10	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil and Coolant)	Foaming Characteristics of Lubricating Oils	ASTM D892	0 ml to 1000 ml
11	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil)	Water Separability of Petroleum Oils and Synthetic Fluids	ASTM D1401	0 ml to 80 ml
12	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil, Fuel and Electrical Insulating Oil)	ASTM Color of Petroleum Products (ASTM Color Scale)	ASTM D1500, ASTM D6045	L0.5 to D8
13	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil and Coolant)	Air Release Properties of Hydrocarbon Based Oils	ASTM D3427	max. 30min
14	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil, Fuel, Coolant and Electrical Insulating Oil)	Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	ASTM D4052	0 to 3 g/cc
15	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil)	Apparent Viscosity of Engine Oils and Base Stocks between -10 C and -35 C Using the Cold-Cranking Simulator	ASTM D5293	900 mPa·s to 25 000 mPa·s
16	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil, Fuel, Coolant and Electrical Insulating Oil)	Determination of Water in Petroleum Products, Lubricating Oils, and Additives and Insulating Liquids by Coulometric Karl Fischer Titration	ASTM D6304 ASTM D1533	20 mg /kg to 25 000 mg/kg


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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
17	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil)	Moisture in Lubricating Oils	AM-S 449	>500 ppm
18	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil)	Appearance	AMS 1738	-
19	Petroleum Product (Raw Materials of Lubricating Oil, Lubricating Oil)	Odor	AMS 1695	-
20	Petroleum Product (Electrical Insulating Oil)	Determination of The Breakdown Voltage at Power Frequency	IEC 60156	0 KV to 100 KV

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Quality Manager