

 ADVANCE PRECISION	CALIBRATION CERTIFICATE		 
CERTIFICATE NO. 2075	REVISION NO.	00	Page 1 of 3

CUSTOMER:	The Petroleum Projects & Technical Consultations co.
ADDRESS:	Neom, Kingdom of Saudi Arabia

This certificate has been issued after the completion of all tests & calibrations of the equipment listed below. The standards used for testing and / or calibration are traceable to national and international standards having accuracies derived from the accepted values of natural physical constant or by ratio-type of self-calibration techniques. The test results of the equipment are followed on the continuation sheet(s) of this certificate




Validity of this certificate is considered null and void without the signature of the respected authorized personnel(s)

This calibration certificate applies only to the following items mentioned below

ITEM UNDER CALIBRATION (IUC) DETAILS	
IUC DESCRIPTION	Diesel Welding Generator
MANUFACTURER	Miller Electric Mfg. Co.
MODEL NO.	BIG BLUE 600X
SERIAL NO.	LE381706
TAG NO.	30120
CAPACITY / RANGE	600 Amps
LEAST COUNT	-
DATE OF RECEIPT	5 December 2024
CALIBRATION DATE	5 December 2024
SUGGESTED DUE DATE	4 June 2025
CALIBRATION LOCATION	Onsite

STANDARD EQUIPMENT USED		
EQUIPMENT	CONTROL NO.	CALIBRATION DUE DATE
Clamp Meter	AP-ASSET-38	24 January 2025
Digital Multimeter	AP-ASSET-39	24 January 2025



 ADVANCE PRECISION	CALIBRATION CERTIFICATE		 
CERTIFICATE NO. 2075	REVISION NO.	00	Page 2 of 3

TRACEABILITY OF STANDARD EQUIPMENT USED:

The above measurements have been made using Advance Precision Measurement standards which are traceable through unbroken chain of calibration traceable to the international standards in line with the requirements of ISO/IEC 17025:2017




REFERENCE STANDARDS:

1. Calibration Procedure AP-SOP-22

CALIBRATION RESULTS				
Open Circuit Volt Measure (VDC)	Test 01	Test 02	Test 03	Average
	85.1	85.5	85.8	85.46
Close Circuit Measurement: Voltage (V dc)				
Avg. IUC Reading	Avg. Reference Value		Error	Expanded Uncertainty
32	32.2		-0.2	0.08
36	36.4		-0.4	0.08
40	40.8		-0.8	0.08
Close Circuit Measurement: Current (A dc)				
Reference Value	Avg IUC Reading		Error	Expanded Uncertainty
301	300		-1	0.95
402	400		-2	0.95
498	500		2	0.95

ENVIRONMENTAL CONDITION DURING CALIBRATION:

HUMIDITY	40 % RH
TEMPERATURE	25 °C



 ADVANCE PRECISION	CALIBRATION CERTIFICATE		 
CERTIFICATE NO. 2075	REVISION NO.	00	Page 3 of 3

MEASUREMENT UNCERTAINTY:

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $K=2$ at a level of confidence of approximately 95%

CALIBRATION METHOD:

Item under calibration (IUC) was calibrated by measuring and comparing its indication with clamp meter and digital multimeter

CALIBRATED BY:	 WAQAS	AUTHORIZED BY:	 Abdul Wahid
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Advance Precision Measurement Est.

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