

ENGINE LOAD TEST RECORD



SAMPLE — every parameter on this page is illustrative. This is the artifact each engine in a Sinospect-controlled batch ships with: one signed record per serial number, completed at the witnessed load test before dispatch.

ORDER REFERENCE SSP-ORD-SAMPLE	WORKS Supplier works, Hubei, CN	TEST DATE — (at witnessed test)	WITNESS Sinospect
ENGINE MODEL 6BTA5.9-G2	SERIAL NUMBER 46B0XXXXX	RATING 100 kW prime, 1500 rpm	DUTY BASIS PRP, ISO 8528
GOVERNING Mechanical	COOLING Radiator and fan, 50 °C	ELECTRICAL SYSTEM 24 V	TEST STAND Water-brake dynamometer

LOAD STEPS

STEP	LOAD	MEASURED KW	SPEED RPM	OIL PRESS. KPA	COOLANT °C	EXHAUST °C	MIN	RESULT
1	25 %	25.1	1502	428	76	182	15	Pass
2	50 %	50.3	1501	441	79	259	15	Pass
3	75 %	75.2	1500	449	82	338	15	Pass
4	100 %	100.4	1499	455	85	421	30	Pass
5	110 %	110.1	1497	458	88	452	5	Pass

FUNCTIONAL CHECKS

CHECK	CRITERION	RESULT
Cold start	Firing within 3 s, no aids above 5 °C	Pass
Governor response	Recovery within class limits on step load	Pass
Protection devices	Overspeed and low-oil-pressure shutdowns tripped and reset	Pass
Leak check	No fuel, oil or coolant leaks after full-load run	Pass
Charging alternator	Charging voltage within range at rated speed	Pass

INSTRUMENTS AND CALIBRATION

INSTRUMENT	IDENTIFICATION	CALIBRATION CERTIFICATE	VALID TO
Dynamometer	DW-160 (sample)	CAL-2026-XXXX	—
Tachometer	DT-2234C (sample)	CAL-2026-XXXX	—
Thermocouple set	K-type, 4 ch (sample)	CAL-2026-XXXX	—
Pressure gauge	0–1000 kPa (sample)	CAL-2026-XXXX	—

DEVIATIONS AND RELEASE CONDITIONS

None recorded on this sample. On a real record, any deviation is written here with its disposition — corrected and re-tested, or carried as an explicit release condition agreed with the buyer. No blank boxes: fields that do not apply are struck through, not left empty.

WORKS QC	SINOSPECT WITNESS	DATE