

24 JUL 2008

ARAI/MOEF/DGTA/IMP/SKL-F2/2008-035

Cert	Spec	Drg	Total
3	8	15	26 pgs

CERTIFICATE

FOR
**COMPLIANCE TO MASS EMISSION & SMOKE NORMS
FOR GENSET DIESEL ENGINE (up to 800 kW)**


M/s. SKL (India) Pvt. Ltd.
2117, Wing 'C', Oberoi Garden Estates,
Chandivali, Andheri (E)
Mumbai – 400 072

- (1) Based on the verification of documents for the following engine model/s (designated as Family F2) manufactured by M/s. Motorenfabrik Hatz GmbH & Co., KG, Germany, imported and supplied by SKL (India) Pvt. Ltd., 2117, Wing 'C', Oberoi Garden Estates, Chandivali, Andheri (E), Mumbai 400072, engine model "2G40" was tested for compliance to mass emission and smoke limits:

Sr. No.	Family	Engine Model/s	Gross Engine Power	Compliance of Norms w.e.f.	Category
1.	F2	2G40	14.7 kW @ 3000 RPM	01.07.2005	Imported

- (2) It is certified that the above mentioned engine model complies with the emission limits applicable for genset diesel engines (upto 800 kW), as prescribed under the following Rules, notified by Ministry of Environment & Forests, Govt. of India :
- a) Rule 95 of Environment (Protection) Rules, 1986 (Second Amendment) of GSR 371(E), dt. 17.05.2002.
 - b) Rule 95 of Environment (Protection) Amendment Rules, 2003 of GSR 520(E), dt. 01.07.2003.
 - c) Rule 95 of Environment (Protection) Amendment Rules, 2004 of GSR 448(E), dt. 12.07.2004.
- (3) This certificate needs to be re-issued, if there are any amendments to Notification No. GSR 448(E) dated 12th July 2004.
- (4) **COP :**
- a) COP test shall be carried out once in a year (between the period 1st July and 30th June).
 - b) As the above-mentioned engine model complies with the mass emission and smoke limits effective from 01.07.2005, COP compliance shall be verified against these limits.

- (5) **Conditions of Issue :**
This Type Approval certificate is issued based on the documents produced / submitted by the customer and performance results of the engine tested at the presented condition and pertains only to the specified tests carried out as detailed in the referred report. ARAI is no way responsible for any misuse of copying of any design / type / system in connection with the engine parts and assemblies. Breach of any statutory provision of Indian laws or laws of other countries, will be sole responsibility of the customer and ARAI shall not be liable for any claims or damages made by the party, whatsoever, the customer shall alone be liable for the same, and undertakes to indemnify ARAI in this regard. Further, the ARAI has the right to initiate cancellation / withdrawal of the certificate issued, in case of any fraud, misrepresentation when it surfaces and comes in the knowledge of ARAI. The appropriate local courts at Pune shall have the jurisdiction in respect of any dispute, claim or liability arising out of this Certificate / Report.


N. V. MARATHE
DEPUTY DIRECTOR
HEAD-EDL, ARAI, PUNE



Authorised Signatory


SHRIKANT R. MARATHE
DIRECTOR
ARAI, PUNE

Reference : Report No. EDL/DGTA/08-09/IMP/SKL/022, dated 5th July 2008

Place of Issue : Pune