

ALSTOM Power GmbH · Boveristraße 22 · D-68309 Mannheim

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Person in charge

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Our reference (Please quote)

JJS

Date

13.11.2012

Your reference

Your letter dated

Approval of the turbine oil Pertamina Turbolube XT 46

Dear Mr Ruehle, dear Mr Hof,

We are pleased to inform you that the lube oil **Pertamina Turbolube XT 46** meets the requirements of the ALSTOM specification HTGD 90117 (Lubricating and Control Oils for Turbines).

The above-mentioned oil will be included as a tested and recommended lubricant for ALSTOM turbines in the next edition of our specification HTGD 90117. The oil will be listed as follow:

Brand Name	Designation	Date of last oil test	With AW/EP additive
Pertamina	Turbolube XT 46	November 2012	Yes

The lube oil can be used by now, on ALSTOM Gas- and Steam turbine units.

After receiving the invoiced payment, we will send the final test report.

Thank you for your confidence.

Kind regards


Dr. Johannes Schröder



Andreas Dahlem

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