

ALSTOM Power GmbH - Boveristraße 22 - D-68309 Mannheim

Barrie Horsted
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Person in charge

Dr. Johannes Schröder

Department

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Our reference (Please quote)

JJS

Your reference

Your letter dated

Date

14.03.2013

Approval of the turbine oils "VORTEX GT-2 32 and VORTEX GT-2 46"

Dear Mr Horsted,

We are pleased to inform you that the lube oils "**VORTEX GT-2 32**" and "**VORTEX GT-2 46**" meet the requirements of the ALSTOM specification HTGD 90117 (Lubricating and Control Oils for Turbines). The above-mentioned oils will be included as tested and recommended lubricants for ALSTOM turbines in the next edition of our specification HTGD 90117. The oils will be listed as follow:

Brand Name	Designation	Date of last oil test	With AW/EP additive
ENOC Lubricants	VORTEX GT-2 32	March 2013	No
ENOC Lubricants	VORTEX GT-2 46	March 2013	No

The lube oils 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

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