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To	OOO LLK-International Ms Alina Arzamastseva	Sender	MTU Friedrichshafen GmbH
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### Approval of Lukoil Avantgarde Professional LS5 5W-30: Extension

Dear Ms Arzamastseva,

Based on the information and test results you provided, as well as our laboratory analyses, the engine oil

**Lukoil Avantgarde Professional LS5  
Oil Code**

**SAE 5W-30**

**Confidential**

which you submitted for approval meets the requirements for Oil Category 3.1 and is approved for use in all MTU engines (except Series 8000, 4000-04 C/R/T, 4000-05 C/T 956 TB31/32/33/34, 1163 TB32 Genset and S60) and DDC engines Series 2000/4000.

The letter of approval does not cover Series 1000, 1100, 1300, 1500, 1800 engines.

The approval is valid until

**July 2020.**

For an extension of this approval, please inform us at least one month before expiration of the approval period.

Please note that any modification of the engine oil will invalidate the approval in accordance with our terms of approval (MTL 5044).

Yours sincerely,

MTU Friedrichshafen GmbH

*Gudrun Keis*  
Gudrun Keis

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