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To	Oleg Govorov ZAO Obninskorgsintez govorov@orgsintez.com	Sender	MTU Friedrichshafen GmbH
Date	February 29, 2016	Department	TQZ
Pages	2	From	Angelika Reibl
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Approval letter for Lukoil Antifreeze HD G12 K and Lukoil Antifreeze HD G12 (Ready Mix 50%)
(Rebrand of *CONFIDENTIAL*) from *CONFIDENTIAL*

Dear Mr. Govorov,

based on your specifications and the laboratory analyses conducted at MTU and BASF, the corrosion-inhibiting antifreeze concentrate "Lukoil Antifreeze HD G12 K" and the 50 Vol-% Ready Mix "Lukoil Antifreeze HD G12" submitted for acceptance has been approved for use in the following MTU engine series:

- Series 099 Marine (at seawater temperatures of < 20°C)
- Series 183 Marine (at seawater temperatures of < 20°C), Rail
- Series 396 Marine (at seawater temperatures of < 20°C)
- Series 396 TB Marine, Genset, Rail
- Series 396 TE/ TC Marine (at seawater temperatures of < 20°C), Genset, Rail, C&I
- Series 956-01/02 Genset
- Series 20V 956 TB33 Genset – from year of manufacture 2009 on as specified on nameplate
- Series 12V/16V 956 TB33 Genset
- Series 956 TB 34 Genset
- Series 1163-02 Genset
- Series 2000 up to and including model type 06:
Marine (at seawater temperatures of < 25°C), Genset, C&I, Oil&Gas
- Series 2000-07 Genset
- Series 4000-00/ 01/ 02/ 03 Marine (at seawater temperatures of < 25°C), Genset, C&I, Rail, Oil&Gas
- BR 4000-04: Marine (bei Seewassertemperaturen < 25°C), C&I, Rail, Oil&Gas
- Series 4000 gas engine
- Series 1600 Marine, Genset, C&I, Oil&Gas, Rail
- Series 1800 PP
- S60
- Two-Cycle engines

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Vorsitzender des Aufsichtsrates | Chairman of the Supervisory Board
Lawrence Haynes

Geschäftsführung | Board of Management
Dr. Ulrich Dohle (Vorsitzender | President and CEO),
Marcus A. Wasserberg

Sitz der Gesellschaft | Domicile Friedrichshafen
Handelsregister | Register Court Ulm, Nr. 1 No. HRB 630 227
USt-Ident-Nr. | V.A.T. No. DE 811121844

Bankverbindungen | Bank Details
Deutsche Bank AG Stuttgart:
(all currencies)
SWIFT/BIC DEUTDE33XXX
IBAN DE35 6007 0070 0162 9039 00
Commerzbank AG Friedrichshafen: (EUR)
SWIFT/BIC COBADEFF651
IBAN DE68 6514 0072 6170 0038 00



The named coolants will be listed in future editions of the MTU Fluids and Lubricants Specifications for the relevant Series.

Should any of the specifications in the manufacturer's product information deviate from those stated in the MTU Fluids and Lubricants Specifications (e.g. concentrations, change intervals etc.), the specifications in the MTU Fluids and Lubricants Specifications shall take precedence.

Approval for this coolant is valid up to **February 28, 2018**.

To apply for an extension, please contact us in writing at least one month prior to expiry of this approval period.

Please note that our Conditions of Approval (MTL 5048) envisage immediate forfeiture of approval should the product be modified in any way.

Sincerely,

MTU Friedrichshafen GmbH

A handwritten signature in blue ink, appearing to read 'i. Schiprowski', with a stylized flourish at the end.

Schiprowski

A handwritten signature in blue ink, appearing to read 'i. Keller', with a stylized flourish at the end.

Keller