

## MOL Dynamic Synt Diesel 10W-40 synthetic diesel motor oil

Viscosity grade: **SAE 10W-40**

### Specifications

ACEA E7-08 Issue 2  
ACEA E7-08  
ACEA E4-08 Issue 2  
ACEA E4-08  
API CF  
Scania LDF-2  
TEDOM 258-4  
Tatra TDS 40/16  
Cummins CES 20072  
Avia

### Approvals

MB-Approval 228.5  
MAN M 3277  
Volvo VDS-3  
Scania LDF-3  
Renault RLD-2  
Renault RXD  
MTU Type 3  
DDC series 2000/4000

# DAIMLER

Daimler AG · 70546 Stuttgart

**MOL-LUB Ltd.**  
**Attn. Mr. Heiman**  
**Fö Str. 21**  
**2931 ALMÁSFÜZITŐ**  
**HUNGARY**

|                               |                             |                                |
|-------------------------------|-----------------------------|--------------------------------|
| Telefon/Phone<br>+49 7 11 17- | Telefax/Fax<br>+49 7 11 17- | Hauspost-Code<br>Internal Code |
| <b>24801</b>                  | <b>59756</b>                | <b>C401</b>                    |

|  |   |                                    |                                 |
|--|---|------------------------------------|---------------------------------|
| Ihr Zeichen, Ihre Nachricht vom<br>Your reference<br><b>17.09.2007</b> | Unser Zeichen, unsere Nachricht vom<br>Our reference<br><b>EP/MOR F 11258</b> | Name<br>E-Mail<br><b>Mrs Fuchs</b> | Datum/Date<br><b>05.02.2008</b> |
|--|---|------------------------------------|---------------------------------|

## Approval Certificate

### Approval for: Engine Oil "MOL Dynamic Synt Diesel 10W-40"

MB-BeVo-Sheet: 228.5, Oil-Code: IME 0402593-A, SAE-Grade: 10W-40  
 New Approval - Reblend

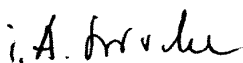
Dear Sir or Madam,

The operating fluid shown above complies with the requirements of the Mercedes-Benz Specifications for Operating Fluids, sheet 228.5 and is therefore approved for use in Mercedes-Benz vehicles and assemblies. The application range is shown and explained on the sheet 223.2. Our other requirements, e.g. SAE grades, capacities, change intervals etc. must also be observed.

A 2 litre sample of each formulation (including all SAE grade variants) must be retained at all times, and can be called upon by Daimler AG at any given moment. We will advise the address.

Sincerely  
 Daimler AG

  
 W. Schmid

  
 Schnüpke

11258

820 900 003 001

Daimler AG, Stuttgart/Germany  
 Sitz und Registergericht/Domicile and Court of Registry: Stuttgart, HRB-Nr./Commercial Register No.: 19360  
 Vorsitzender des Aufsichtsrates/Chairman of the Supervisory Board: Manfred Bischoff  
 Vorstand/Board of Management: Dieter Zetsche, Vorsitzender/Chairman;  
 Günther Fleig, Rüdiger Grube, Andreas Renschler, Bodo Uebber, Thomas Weber

Daimler AG  
 70546 Stuttgart  
 Telefon/Phone +49 7 11 17-0  
 Telefax/Fax +49 7 11 17-22 44  
 dialog@daimler.com  
 www.daimler.com

MAN M 3277

## MAN Truck & Bus AG



MAN Truck & Bus AG Postfach 44 02 58 90207 Nürnberg

MOL-LUB Ltd.  
Mr. András Péceli  
Fő u. 21  
2931 Almásfüzitő  
Ungarn

|              |                    |               |               |                |            |
|--------------|--------------------|---------------|---------------|----------------|------------|
| Ihre Zeichen | Ihre Nachricht vom | Unser Hausruf | Unser Telefax | Unsere Zeichen | Nürnberg,  |
|              |                    | 0911 420-2005 | 0911 420-1928 | EMTA, Jäger    | 12.10.2011 |

### **Prolongation of approval against M 3277**

Start of approval: 30.10.2007

Prolongation of approval until: 29.10.2014

**Marketing area:** worldwide

Dear Sirs,

we are pleased to inform you, that the approval for the super high performance diesel engine oil bearing the designation

### **MOL Dynamic Synt Diesel 10W-40**

has been prolonged for the next three years under MAN approval-no.

### **TUC 7822/07 for SAE 10W-40**

This prolongation is only available for the unchanged formulation and in combination with the original approval letter. The approval will automatically expire at the point in time indicated above, unless an prolongation has been applied for in good time by the maker or supplier.

Yours faithfully,

MAN Truck & Bus AG

*This letter was created electronically without signature.*

Ursula Jäger

Vorsitzender des Aufsichtsrates: Rupert Stadler  
Vorstand: Dr.Ing Georg Pachta-Reyhofen (Sprecher), Lars Wrebo,  
Bernd Meierhofer, Dr. Frank Hiller, Karl Gadesmann

Sitz der Gesellschaft: München  
Commerzbank Aktiengesellschaft, Dachau  
IBAN: DE33 7004 0041 0145 0600 00  
Stadtparkassen München  
IBAN: DE36 7015 0000 0089 1044 00  
BLZ 700 400 41 Konto 1450600  
BIC: COBADEFFXXX  
BLZ 701 500 00 Konto 89104400  
BIC: SSKMDEMM

Registergericht: Amtsgericht München HRB 86 963 | USt-IdNr. DE811125281

MAN Truck & Bus AG  
Postfach 44 02 5 90207 Nürnberg  
Vogelweierstraße 33 90441 Nürnberg  
Telefon +49 911 420-0 oder -Durchwahl  
Telefax +49 911 420 446522  
Wagenladungen: Nbg.-Rbf.  
Lkw-Sendungen: Nbg.- Vogelweierstr. 33  
www.man-mn.com  
Ein Unternehmen der MAN Gruppe

# MOL Dynamic Synt Diesel 10W-40 synthetic diesel motor oil

MAN M 3277

186.

MAN Nutzfahrzeuge AG  
Geschäftseinheit Motoren · Werk Nürnberg



MAN Nutzfahrzeuge Aktiengesellschaft Vogelweiherstraße 33 90441 Nürnberg

MOL-LUB Ltd.  
Mr. Peter Heiman  
Fö u. 21  
2931 Almásfüzitő  
Ungarn

|              |                    |               |               |                |            |
|--------------|--------------------|---------------|---------------|----------------|------------|
| Ihre Zeichen | Ihre Nachricht vom | Unser Hausruf | Unser Telefax | Unsere Zeichen | Nürnberg,  |
|              |                    | 0911/420-2532 | 0911/420-1928 | MTWV, gey-jä   | 19.11.2007 |

|                              |               |
|------------------------------|---------------|
| <b>Approval according to</b> | <b>M 3277</b> |
| <b>Start of approval:</b>    | 30.10.2007    |
| <b>End of approval:</b>      | 29.10.2009    |
| <b>Marketing area:</b>       | worldwide     |

Dear Sirs

we are pleased to inform you that the super high performance diesel engine oil bearing the designation

## MOL Dynamic Synt Diesel 10W-40

has been approved by MAN Nutzfahrzeuge Aktiengesellschaft under the MAN approval No.

## TUC 7822/07 for SAE 10W-40

This approval is limited and will automatically expire after this period, unless an extension has been applied for in good time by the maker or supplier.

The approval will expire before the end of this period  
if the approved formula has been changed  
if negative fields results are recorded.

Yours faithfully

MAN Nutzfahrzeuge Aktiengesellschaft

i.V.

i.A.

Vorsitzender des Aufsichtsrates: Håkan Samuelsson  
Vorstand: Anton Weinmann (Vorsitzender), Prof. Dr. Franz Breun,  
Dr. Georg Pachta-Reyhofen, Frederik G. L. van Putten  
Sitz der Gesellschaft: München  
Commerzbank Aktiengesellschaft, Dachau BLZ 700 400 41 Konto 1450600  
Stadtparkasse München BLZ 701 500 00 Konto 89104400  
Registergericht: Amtsgericht München HRB 86 963 | USt-IdNr. DE811125281

Ein Unternehmen der MAN Gruppe

MAN Nutzfahrzeuge Aktiengesellschaft  
Postfach 44 02 58 · 90207 Nürnberg  
Vogelweiherstraße 33 · 90441 Nürnberg  
Telefon +49 911 420-0 oder 420 und Hausruf  
Telefax +49 911 446522 · Telex 622291-40 mn d  
Wagenladungen: Nbg.-Rbf. · Stückgut: Nbg.-Süd 1317  
Exprefgut: Nbg.-Hbf. · Lkw-Sendungen: Nbg., Vogelweiherstr. 33  
Gemeindetarifbereich: Nbg.-Süd, Tarifpunkt-Nr. 62 202  
Internet: www.man-mn.com

# MOL Dynamic Synt Diesel 10W-40 synthetic diesel motor oil

Volvo VDS-3



Volvo Global Trucks Technology

## STD 417-0002 approval request

### Data supplied by requesting company

|                  |  |
|------------------|--|
| Company name:*   | MOL-LUB Kft  |
| Brand name:*     | MOL Dynamic Synt Diesel  |
| Oil code:        |  |
| Viscosity grade: | 10W-40   |
| Marketing area:  | Europe   |
| Other approvals: | ACEA E4-08, E7-08  |
|                  | API CF   |
|                  | OEM MB 228.5, MAN M 3277, Scania LDF-3, MTU Category 3, DQC III-10 |

\*) As they shall appear in approved products lists

**Date of submission** 11.10.2013

### **Submitted by**

Name: András Péceli  
Company: MOL-LUB Kft

### **Return approval to:**

Name: András Péceli  
e-mail: [apeceli@mol.hu](mailto:apeceli@mol.hu)

### Approval

|                           |     |
|---------------------------|-----|
| Volvo VDS-3 approval      | Yes |
| Mack EO-N approval        | Yes |
| Renault VI RLD-2 approval | Yes |

**Approval date:** October 15, 2013 **Approval #:** 417-0002-13-119

**Validity:** Approval expires two years after the approval date.  
For approval extension, a complete and updated approval form must be submitted at the expiry date  $\pm$  two months.

**Signed:** Volvo Global Trucks Technology

Bengt Otterholm  
Lubricants Coordinator

**Disclaimer:** This approval is solely based on information submitted by the applicant and no further quality check is made by Volvo. Hence, Volvo takes no responsibility to ensure that the quality of this product is continuously maintained. This is the sole responsibility of the Company (see above).

Scania LDF-3

## **Prolongation of approval for Scania LDF-3**

MOL Dynamic Synt Diesel in SAE 10W-40 viscosity class has been granted approval as Scania LDF-3 oil until 2015-04-30.

Any change in the oil formulation must be reported to Scania by sending an email to:  
[LDFapproval@scania.com](mailto:LDFapproval@scania.com)

Extension of approval is possible by sending an email to: [LDFapproval@scania.com](mailto:LDFapproval@scania.com), two months prior to the approval expiry date.

Johan Karlsson

Lubrication System  
Engine Development



# VOLVO

## Powertrain

**MOL LUBRICANTS LIMITED**  
 H-2931 ALMASFUZITO FO U.21  
 KOMAROM-ESZTERGOM  
 HUNGARY

A l'attention de Monsieur PETER HEIMAN

Date : 29.06.2007  
 Réf. : HUBERT.OGIER

**Objet : Spécifications lubrifiants pour moteurs RENAULT TRUCKS.**

Monsieur,

Suite à votre courrier du 19 Juin 2007, nous avons bien noté votre intention d'annoncer que certains lubrifiants de votre gamme, suivant détail ci-dessous, satisfont nos dernières spécifications lubrifiants pour moteurs Diesel Euro 2/ Euro 3 et Euro 4, suivant la note technique n°b0032/6 de Décembre 2006.

MOL DYNAMIC SYNT DIESEL 10W40 Au niveau RLD-2/RXD  
 (suivant formulation INF D3314)

Vous trouverez ci-après les exigences de RENAULT TRUCKS en la matière et les niveaux de performances à respecter impérativement :

| <b>Spécifications RENAULT TRUCKS</b> |                     | <b>Lubrifiants préconisés<br/>HUILES RENAULT TRUCKS OIL</b> |
|--------------------------------------|---------------------|---|
| RD/RD-2                              | Renault Drain       | Maxima RD ECO 15W30<br>Maxima 15W40                         |
| RLD/RLD-2                            | Renault Long Drain  | Maxima RLD ECO 15W30<br>Maxima RLD 15W40                    |
| RXD                                  | Renault Extra Drain | Extensia RXD ECO 5W30<br>Extensia 10W40                     |
| RGD                                  | Renault Gaz Drain   | Maxima gaz 7 15W40  |

Principal supplier to Mack, Renault and Volvo Commercial Vehicles

**Volvo Powertrain France**

402, avenue Charles de Gaulle - 69806 Saint-Priest Cedex - France  
 Telephone : +33 (0)4 72 96 81 11

RENAULT TRUCKS SAS au capital de 50.000.000 d'euros - 954 506 077 RCS LYON

Renault RLD-2

La spécification **RD/RD-2** définit un lubrifiant moteur répondant au minimum à la classification ACEA E3-96 issue 4 +VDS-2.

La spécification **RLD/RLD-2** définit un lubrifiant moteur répondant au minimum à la classification ACEA E7-04 +VDS-3.

La spécification **RXD** définit un lubrifiant moteur correspondant au minimum à la classification ACEA E4 + E7 + VDS3.

La spécification **RGD** définit un lubrifiant spécifique pour moteur GAZ répondant aux conditions suivantes :

Niveau ACEA 99-E3 (hors essais moteurs)

TBN = 6/8

Cendres sulfatées  $\leq$  1%

Sous ces différents labels **RD/RD-2**, **RLD/RLD-2**, **RXD** et **RGD**, les lubrifiants ne pourront être proposés aux utilisateurs de camions RENAULT TRUCKS que sous la responsabilité pleine et entière votre société qui distribuera ces produits.

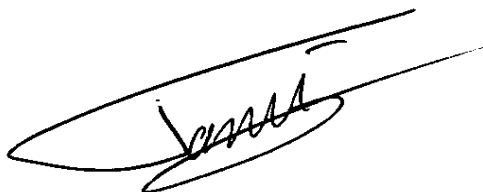
En outre, la fiche technique de chaque produit mentionnant la spécification RENAULT TRUCKS, RLD/rlD-2 ou RXD, devra indiquer :

- la classification ACEA,
- la satisfaction à l'essai MACK T10.

Restant à votre disposition, nous vous prions de recevoir, Monsieur, l'expression de nos meilleures salutations.

**P/RENAULT TRUCKS**  
Le Responsable  
Assistance Technique

**PH. TAMET**



**P/RENAULT TRUCKS**  
Recherche et  
Développement Moteurs

**PH.VOLLE**





# VOLVO

## Powertrain

**MOL LUBRICANTS LIMITED**  
**H-2931 ALMASFUZITO FO U.21**  
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**HUNGARY**

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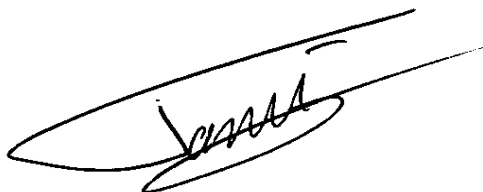
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**P/RENAULT TRUCKS**  
Le Responsable  
Assistance Technique

**PH. TAMET**



**P/RENAULT TRUCKS**  
Recherche et  
Développement Moteurs

**PH.VOLLE**



MTU Type 3

A TOGNUM GROUP COMPANY



Power. Passion. Partnership.

|             |  |             |                                |
|-------------|--|-------------|--------------------------------|
| To          | MOL LUB<br>Mr. Andras Péceli<br>H - 2931 Almásfüzitő<br>Fő út 21 | Sender      | MTU Friedrichshafen GmbH       |
| Telefax No. | 0036 34 526 183  | Dept.       | TQZ                            |
| Date        | 18 December 2012   | From        | Gudrun Keis                    |
| Page(s)     | 1  | Phone       | +49 7541 90 2005               |
|             |  | Telefax No. | +49 7541 90 3973               |
|             |  | E-mail      | gudrun.keis<br>@mtu-online.com |

**Approval of MOL Dynamic Synt Diesel: Extension**

Dear Mr. Péceli,

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

**MOL Dynamic Synt Diesel  
Oil Code**

**SAE 10W-40**

which you submitted for approval meets the requirements for Oil Category 3 and is approved for use in all MTU engines (except Series 8000, 4000-04 and 956 TB31 / TB 32 / TB 33) and DDC engines Series 2000/4000.

The letter of approval does not cover Series 1800.

The approval is valid until

**December 2014.**

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

MTU Friedrichshafen GmbH  
Maybachplatz 1  
88045 Friedrichshafen/Germany  
Phone +49 7541 90-0  
Telefax +49 7541 90-5000  
www.mtu-online.com

Vorsitzender des Aufsichtsrates/  
Chairman of the Supervisory Board:  
Andreas Renschler

Geschäftsführung/Board of Management:  
Joachim Coers, Vorsitzender/President and CEO  
Dr. Ulrich Dohle, Dr. Michael Haidinger, Dieter Royal

Sitz/Domicile: Friedrichshafen  
Handelsregister/Register Court: Ulm, Nr./No. HRB 630 227

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K-717-1207

MOL Dynamic Synt Diesel 10W-40 synthetic diesel motor oil

DDC series 2000/4000

A TOGNUM GROUP COMPANY



Power. Passion. Partnership.

|             |  |             |                                |
|-------------|--|-------------|--------------------------------|
| To          | MOL LUB<br>Mr. Andras Péceli<br>H - 2931 Almásfüzitő<br>Fő út 21 | Sender      | MTU Friedrichshafen GmbH       |
| Telefax No. | 0036 34 526 183  | Dept.       | TQZ                            |
| Date        | 18 December 2012   | From        | Gudrun Keis                    |
| Page(s)     | 1  | Phone       | +49 7541 90 2005               |
|             |  | Telefax No. | +49 7541 90 3973               |
|             |  | E-mail      | gudrun.keis<br>@mtu-online.com |

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Yours sincerely,

MTU Friedrichshafen GmbH

*Gudrun Keis*  
Gudrun Keis

MTU Friedrichshafen GmbH  
Maybachplatz 1  
88045 Friedrichshafen/Germany  
Phone +49 7541 90-0  
Telefax +49 7541 90-5000  
www.mtu-online.com

Vorsitzender des Aufsichtsrates/  
Chairman of the Supervisory Board:  
Andreas Renschler

Geschäftsführung/Board of Management:  
Joachim Coers, Vorsitzender/President and CEO  
Dr. Ulrich Dohle, Dr. Michael Haidinger, Dieter Royal

Sitz/Domicile: Friedrichshafen  
Handelsregister/Register Court: Ulm, Nr./No. HRB 630 227

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K-717-1207