

MOL Dynamic Tornado 5W-30 synthetic diesel motor oil

Viscosity grade: **SAE 5W-30**

Specifications

ACEA E7-08
ACEA E5-02
ACEA E4-08
API CF
MB 228.5
MAN M 3277
Renault RXD
MTU Type 3
Cummins CES 20077
Cummins CES 20076
MACK EOM Plus

Approvals

Volvo VDS-3
Scania LDF
DAF HP1/HP2
Avia

Volvo VDS-3



Volvo Technology Corporation
Fuels and Lubricants

VDS-3 approval request

Data supplied by requesting company

Brand name:	MOL Dynamic Tornado 5W-30
Oil code:	(IME 11263B)
Viscosity grade:	5W-30
Marketing company:	MOL-LUB Prod. Distr. And Service Ltd.
Marketing area:	EU, SCG, BG, SL
Core DI (%):	
Viscosity modifier:	
Base oil 1	
Base oil 2	
Other approvals:	
ACEA	E4-99 Issue 2, E5-02, E7-04
API	CF
OEM	MB 228.5, MAN M 3277, MTU Category 3, Scania LDF CES 20076, 20077, Renault RXD, DAF HP1/HP2

Date Budapest, 02nd of February 2009

Submitted by

MOL- LUB Prod. Distr. And Service Ltd. H-2931 Almásfüzitő
Fő Str. 21 - Hungary, Peter Heiman - OEM Coordinator

Return approval to:

Name: Peter Heiman
Fax #: 3 614 640 304
e-mail: pheiman@mol.hu

Volvo response

Approved (yes/no): Yes

Approval date February 6th, 2009 Approval # VDS3-09-989

Validity Two years from date above
Reapproval needed by February 6 - April 6, 2011.

Signed Volvo Technology Corporation
Fuels and Lubricants

Bengt Otterholm
Lubricants Coordinator

DAF HP1/HP2

110.



MOL-LUB
Attention: Mr. P.Heiman
OEM Coordinator
Fő Str. 21
H-2932 Almásfüzitő
Hungary

Letter of Approval for DAF HP1 and HP2

Dear Mr. Heiman,

Sorry for the delay due to the acceptance of a job outside DAF by Marc Buitenhuis.

The engine oil "MOL Dynamic Tornado 5W30" has herewith obtained the DAF HP1 and HP2 approval.

From now on this product can be used in all DAF made engines where HP1 / HP2 are specified in the DAF user manual.

The term DAF HP1 / HP2 may be mentioned on packages and sheets of this product.

Be aware that DAF Trucks N.V. must be informed about any change in formulation and / or rebrand name of this approved product.
Each change must be approved by DAF Trucks N.V..

Eindhoven, 4 July 2007

A handwritten signature in black ink, appearing to read 'M. Vinke', is written over a horizontal line.

M. Vinke
Central Laboratory
DAF Trucks N.V.

MOL Dynamic Tornado 5W-30 szintetikus dízelmotor olaj

Viszkozitási fokozat: **SAE 5W-30**

Teljesítményszint

ACEA E7-08 Issue 2
ACEA E7-08
ACEA E5-02
ACEA E4-08 Issue 2
ACEA E4-08
API CF
MB 235.28
MAN M 3277
Renault RXD
MTU Type 3
Cummins CES 20077
Cummins CES 20076
MACK E-OM Plus
IVECO 18-1804

Jóváhagyás

MB-Approval 228.5
Volvo VDS-3
Scania LDF
Renault RLD-2
DAF HP1/HP2
Avia
Mack EO-N

MOL Dynamic Tornado 5W-30 szintetikus dízelmotor olaj

MB-Approval 228.5

DAIMLER

Daimler AG - 70546 Stuttgart

MOL-LUB Ltd.
Attn. Mr. Péceli
Fö Str. 21
2931 ALMÄSFÜZITŐ
HUNGARY

Telefon/Phone
+49 7 11 17-

Telefax/Fax
+49 7 11 17-

Hauspost-Code/
Internal Code

24801

59756

C401

Ihr Zeichen, Ihre Nachricht vom/
Your reference
19.05.2009

Unser Zeichen, unsere Nachricht vom/
Our reference
EP/MDV F 13298

Name
E-Mail
Mrs Fuchs

Datum/Date
24.09.2009

MB-Approval Certificate

MB-Approval for: Engine Oil "MOL Dynamic Tornado 5W30"

Reblend to
MB-BeVo-Sheet: 228.5, Oil-Code: , SAE-Grade: 5W-30
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.

MB-Approval is valid with date of this certificate. The validity period is limited to the validity period of the above mentioned original and will expire in 5 years at the latest. New approvals have to be applied for in good time.

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


i.V. W. Schmid


i.V. Dr. Keppeler

13298 

Daimler AG, Stuttgart, Germany
Sitz und Registergericht/Domicile and Court of Registry: Stuttgart, HRB-Nr./Commercial Register No.: 19 360
Vorsitzender des Aufsichtsrats/Chairman of the Supervisory Board: Manfred Bischoff
Vorstand/Board of Management: Dieter Zetsche, Vorsitzender/Chairman;
Wilfried Porth, Andreas Renschler, Bodo Uebber, Thomas Weber

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82019001000003000.V

Volvo VDS-3



Volvo Powertrain Corporation

STD 417-0002 approval request

Data supplied by requesting company

Company name:*	MOL-LUB Kft
Brand name:*	MOL Dynamic Tornado 5W30
Oil code:	
Viscosity grade:	5W-30
Marketing area:	Europe
Other approvals:	ACEA E4-08, E7-08
	API
	OEM MB 228.5, MAN M 3277, Scania LDF, MTU Category 3, DQC IV-10

*) As they shall appear in approved products lists

Date of submission 14.02.2012

Submitted by

Name: Andras Peceli
Company: MOL-LUB Kft

Return approval to:

Name: Andras Peceli
e-mail: apeceli@mol.hu

Approval

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

Approval date: February 28, 2012

Approval #: 417-0002-12-193

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 Powertrain Corporation

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



SCANIA

Handled by
NMBO Jan Gunnarsson

Date
2010-02-03

Our reference

Your date

Your reference

Renewal of Scania LDF approval.

MOL Dynamic Tornado, SAE 5W-30 with the original approval report number M08/206, has a new validity date, will expire end of February 2012.

This approval is only valid in the assumption that **no** other formulations with the above brand name exist, i.e. no base oil interchange and no read across is permitted.

This approval is not transferable in any way to third party or other brand names without special permission.

A renewed approval will be given if MOL- Lub Kft by letter or e-mail applies for it two (2) months in advance by assuring that the brand on the market is still the same formulation as the approved engine oil. If there is no application for a renewal, the lubricant will be deleted from the Scania LDF oil list.

If once deleted, the oil will not be reintroduced due to administrative reasons.

Yours Faithfully

A handwritten signature in black ink, appearing to be 'J. Gunnarsson', written over a dashed line.

Jan Gunnarsson

Lubrication System
Engine Development

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Avia



AVIA ASHOK LEYLAND

Adresát:

SLOVNAFT, a.s., Mazivá
Ing. Peter Ševčík
ved. Technického servisu a nákupu
Vlčie hrdlo 1
824 12 Bratislava

Váš dopis zn.:	Naše značka:	Vyřizuje: Roman Chvála	V Praze dne:
Ze dne:	TÚ/5600/04/12/Ch	Tel./fax: 2 2514 2828 / 2 2514 2058	2.2.2012
17.1.2012		E-mail: roman.chvala@aal.cz	

Véc: **Motorové oleje MOL**

Vážený pane inženýre,

oznamujeme Vám, že na základě vyhodnocení současných ukazatelů jakosti a ověřovacích zkoušek souhlasíme s použitím motorových olejů Vaší firmy pro naše motory dle následující tabulky:

SLOVNAFT	SPECIFIKACE			TYP MOTORU						
	OBCHODNÍ NÁZEV	SAE	ACEA	API	712	D407	D421.76	D421.85	D422.100	D432.100
MOL Dynamic Synt Diesel	10W-40	E4/E7-08		CI-4	ANO	ANO	ANO	ANO	ANO	ANO
MOL Dynamic Turbo Diesel	15W-40	E2-96		CF-4/CF/SJ	ANO	ANO	NE	NE	NE	NE
MOL Dynamic Transit	15W-40	A3/B4-08 a E3-96, E5-02, E7-08		CI-4/CF/SL	ANO	ANO	ANO	ANO	NE	NE
MOL Dynamic Turbo Plus	15W-40	A3/B4-04 a E2-96		CG-4/CF/SL	ANO	ANO	NE	NE	NE	NE
MOL Dynamic Tornado	5W-30	E4/E7-08, E5-02		CF	ANO	ANO	ANO	ANO	ANO	ANO
MOL Dynamic Transit	10W-40	A3/B4-04 a E3-96, E5-02, E7-08		CI-4/SL	ANO	ANO	ANO	ANO	ANO	ANO

Výměnné lhůty těchto olejů jsou uvedeny v návodech k obsluze vozů AVIA.

Toto schválení platí do 29.2. 2014.

S pozdravem

Ing. Josef Vavřinka

ved. konstrukce
 AVIA ASHOK LEYLAND MOTORS s.r.o.
 Beranových 140, 199 03 Praha 9
 IČ 27422356, DIČ CZ27422356
 Technický úsek 1

Tel: +420 225 141 111	IČ: 27422356	Avia Ashok Leyland Motors s.r.o., Beranových 140, 199 03 Praha 9	Bankovní spojení:
Fax: +420 225 142 051	DIČ: CZ27422356	Registrováno Městským soudem v Praze, oddíl C, vložka 112025	RBS BANK, Praha, ČR účet č. 210817 / 5400
E-mail: info@aal.cz	Web: www.avia.cz		HSBC Bank plc, Praha, ČR účet č. 1018003108 / 8150

AA 00-09-1

Vydáno: 09.2009