

Voith Retarder

List of approved oils

2025-09-11

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Changes

Revision	Pages and contents revised
8.0	Following oils have been deleted: Aral Getriebeöl SNS-B 75W-80; Oil Class C Aral Turboral 10W; Oil Class A AVIA HEAVYLINE LSP GIGA 5W-30; Oil Class B AVIA MULTI LSP EXTRA 10W-40; Oil Class B AVIA Turbosynth CFE 10W-40; Oil Class A AVIA Turbosynth Low SAPS 10W-40; Oil Class B Bantleon AVILUB VR 10W-20; Oil Class A BASF Emgard MTF 4200 75W-80; Oil Class C BASF Emgard MTF 4230 75W-80; Oil Class C Castrol Tecton Monograde 10W; Oil Class A(1) Cepsa MAN Mega Gear 75W-80; Oil Class C Engen Gearlube SPL VR 75W-80; Oil Class C Eurol HPX VC 75W-80; Oil Class C Finke AVIATICON Finko Super Truck LA Plus 10W-40; Oil Class B Fuchs Titan Universal HD 20W-20; Oil Class A Gulf Syngear LL, SAE 75W-80; Oil Class C Jiangsu LOPAL 10W-40; Oil Class B LUKOIL TRANSMISSION SYNTH MPX 75W-80; Oil Class C Mabanol Argon Truck Blue 10W-40; Oil Class B Mercedes-Benz Alliance AFM E9/E7/E6; Oil Class B Mobil Delvac 1 Transmission Fluid V30 75W-80; Oil Class C Mobil Delvac Modern 10W-40 Super Defense V1; Oil Class A Mobil Delvac XHP LE 10W-40; Oil Class B Mobil Delvac XHP Ultra LE 5W-30; Oil Class B MOTOREX UNISYNT VT SAE; Oil Class C Motul Tekma Optima 5W-30; Oil Class B PETROGAL GALP GALAXIA EXTREME SUPRA 5W-30; Oil Class B PETROGAL GALP GALAXIA ULTRA PLENUS 10W40; Oil Class B PUMA UniSynth Trans SAE 30 75W-80; Oil Class C Q8 SuperGear M 75W-80; Oil Class C Q8 SuperGear V 75W-80; Oil Class C Renault Extensia FP 10W-40; Oil Class B Renault Longevia BXI Eco 75W-80; Oil Class C REPSOL DIESEL TURBO VHPD MID SAPS 5W-30; Oil Class B REPSOL GIANT 9630 LS-LL 10W-40; Oil Class B SRS Cargolub TFX 10W-40; Oil Class A SRS Cargolub TLA 10W-40; Oil Class B SRS Cargolub TLS plus 5W-30; Oil Class B SRS Turbo-Rekord top FE 10W-40; Oil Class B Turbosynth Low SAPS 10W-40; Oil Class B Volvo Semi-Synthetic Diesel Engine VDS-3 p/n 85102467/-8/-9; Oil Class B

Revision	Pages and contents revised
8.0 Continuation	Following oils were added: Voith Hydraulic Retarder Special Oil 10W-40; Oil Class B AVIA HEAVYLINE LSP TERA 10W-40; Oil Class B Castrol VECTON Long Drain 10W-40 SLD3; Oil Class B ELF TRANSELF ZPV 75W-80; Oil Class C Hoyer Truck S-DL 10W-40; Oil Class B Hoyer Truck S-TD 10W-40; Oil Class A MOBIL DELVAC MODERN 10W-40 EXTENDED PROTECTION 10W-40; Oil Class A MOBIL DELVAC MODERN 10W-40 SUPER DEFENSE V2 10W-40; Oil Class A Shell Retarder Oil 10W-40; Oil Class B TEKMA ULTIMA 5W-30 LD 5W-30; Oil Class B VOLTEK C320 SAE 10W-40; Oil Class B Following oil have been changed: PANOLIN AG; ECOMOT 5W-30; Oil Class B changed to LAEMMLE Chemicals AG; ROXOR ECOMOT 5W-30; Oil Class B Fuchs Petrolub SE changed to Fuchs SE Added: Note → Page 1-4, Chapter Step 1
9.0	Following oil have been changed: Hoyer Truck S-TD 10W-40; Oil Class C changed to Hoyer Truck S-TD 10W-40; Oil Class A

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1 List of Approved Oils

Notice



The list of approved oils is permanently updated.

With each updating of the list of approved oils, the version number changed by 1. Only the list of approved oils with the highest index is valid. All previous versions of the list of approved oils are no longer valid.

The current and binding list of approved oils can be found in the **Voith Service Information System, Retarder I VIAB I Compressor** or under:

www.voith.com/brochures/153.004557xx

In case that you do not have an internet access, please contact directly our Support or the respective Voith national representative.



1CZ_9000

Fig. 1-1 QR code of the current list of approved oils

1.1 Determination of application category

Application profile	Total weight of vehicle	Application category
- Long-distance traffic - Interurban passenger transport - Distances driven on motorways above 80 % - Climatic conditions as in Central Europe	up to 44 t	1
	up to 50 t	2
	above 50 t	3
- Regular line service, distribution transport, public transport - stop & go - Distances driven on motorways above 50 % - Portion of time driven in city traffic greater than 50 %	up to 44 t	2
	up to 50 t	2
	above 50 t	3
- Regions with higher outside temperatures on average than in Central Europe - Frequent use in altitudes over 1500 m above sea level - Routes with a high portion of gradients - Vehicles at construction sites and timber trucks	up to 44 t	3
	up to 50 t	3
	above 50 t	3

Important information:

Only the lubricants released and listed in the attachment may be used for Voith retarder operation.

If an oil shall be used which is not listed, please contact Voith for suitability and release. If shorter maintenance intervals are specified by the vehicle manufacturer (OEM), these are to be complied with.

Other factors which can influence a premature aging of the oil shall be regarded individually and the change intervals be shortened accordingly.

The operator has to ensure a correct oil level in the retarder between the oil change intervals.

Note for lubricant suppliers:

Please inform Voith Turbo, Retarder Engineering, immediately in case of changes in the composition (formulation, change of oil code) or the brand name of the released product:

RetarderOil@voith.com

1.2 Oil change intervals for trucks

	Oil class		
	A	B	C
Application category → Page 1-2, Chapter 1.1	Mileage in km, however, after 2 years at the latest		
1	90000 ¹⁾	135000	180000 ²⁾
2	65000 ³⁾	90000 ⁹⁾	135000 ⁴⁾
3	45000	65000	90000 ⁵⁾

1.3 Oil change intervals for busses

	Oil class		
	A	B	C
Application category → Page 1-2, Chapter 1.1	Mileage in km, however, after 2 years at the latest		
1	135000	180000	240000 ⁶⁾⁷⁾
2	90000	120000	180000 ⁸⁾
3	65000	90000	135000

1)	VR 3250	120000 km
2)	VR 3250	200000 km
3)	VR 115HR	50000 km
4)	VR 3250	150000 km
5)	VR 3250	100000 km
6)	VR 115E	300000 km
7)	VR 3250	300000 km
8)	VR 3250	200000 km
9)	VR 115CT	100000 km

1.4 List of oils

NOTICE

Wrong Oil!

Oil vapours from these oils ⁽¹⁰⁾ can damage the elastomers or components in the MRCU (electromechanical control unit).

⇒ Do not use these oils ⁽¹⁰⁾ in combination with MRCU (electromechanical control unit).

Producer / supplier	Product designation	SAE class	Oil class
Voith Turbo Shanghai Ltd.	Voith Hydraulic Retarder Special Oil	10W-40	B
Voith Turbo S.r.l.	VR Fluid	20W-20	A
Voith Turbo S.r.l.	VR Fluid S	10W-40	B
Voith Turbo S.r.l.	VR Fluid Plus	75W-80	C
AVIA AG	AVIA HEAVYLINE LSP TERA 10W-40	10W-40	B
AVIA AG	Avia HEAVYLINE PLUS Plus 10W-40	10W-40	A
Castrol Ltd.	Castrol Vecton Long Drain 10W-40 LS	10W-40	B
Castrol Ltd.	Castrol VECTON Long Drain 10W-40 SLD3	10W-40	B
Chevron Lubricants	Delo 400 XLE HD SAE 10W-40	10W-40	B
Chevron Lubricants	Ursa Premium FE	5W-30	B
Chevron Products Company	Delo Syn-AMT XV SAE 75W-80	75W-80	C ⁽¹⁰⁾
Chevron Products Company	Delo Syn-Trans XV SAE 75W-80	75W-80	C ⁽¹⁰⁾
Chevron Products Company	Ursa Synthetic MTF HD SAE 75W-80	75W-80	C ⁽¹⁰⁾
ExxonMobil	MOBIL DELVAC MODERN 10W-40 EX- TENDED PROTECTION	10W-40	A
ExxonMobil	MOBIL DELVAC MODERN 10W-40 SUPER DEFENSE V2	10W-40	A
ExxonMobil	Mobil Delvac XHP ESP S	10W-40	B
ExxonMobil	Mobil Delvac XHP Extra 10W-40	10W-40	A
Finke Mineralölwerk GmbH	Aviaticon Turbo D	10W-40	A
Fuchs SE	Titan Cargo SL	5W-30	B
Fuchs SE	Titan Unimax Plus MC	10W-40	A
Fuchs SE	Titan Unimax Ultra MC	10W-40	A
LAEMMLE Chemicals AG	ROXOR ECOMOT 5W-30	5W-30	B
MOL-LUB Kft	MOL Dynamic Mistral	5W-30	B
MOTUL	TEKMA ULTIMA 5W-30 LD	5W-30	B
PETROGAL S.A.	GALP GALAXIA EXTREME	5W-30	B

Producer / supplier	Product designation	SAE class	Oil class
Renault Truck Oils	Longevia BZV Eco	75W-80	C
Shell	Shell Retarder Oil	10W-40	B
Shell	Shell Rimula R6 M	10W-40	B
Shell	Shell Rimula R6 ME Extra 5W-30	5W-30	B
Shell	Shell Spirax S6 GXME Ultra 75W-80	75W-80	C ⁽¹⁰⁾
Sinopec Lubricant CO., Ltd.	Sinopec Tulux L1500 10W-40	10W-40	B
SRS Schmierstoff Vertrieb GmbH	SRS Cargolub TFE	10W-40	A
SRS Schmierstoff Vertrieb GmbH	SRS Cargolub TFG ultra	10W-40	B
SRS Schmierstoff Vertrieb GmbH	SRS Cargolub TLA plus	10W-40	B
TotalEnergies Lubrifiants	ELF TRANSELF ZPV 75W-80	75W-80	C
TotalEnergies Lubrifiants	Longevia BZV Eco	75W-80	C
TotalEnergies Lubrifiants	RUBIA TIR 9200 FE 5W-30	5W-30	A
TotalEnergies Lubrifiants	TRAXIUM GEAR 9 FE	75W-80	C
VISTONY COMPAÑÍA INDUSTRIAL DEL PERU S.A.C.	VOLTEK C320 SAE 10W-40	10W-30	B
Volvo	Volvo Transmission Oil 97307 p/n 85136277/-78	75W-80	C ⁽¹⁰⁾
Wilhelm Hoyer B.V. & Co. KG	Hoyer Truck S-DL 10W-40	10W-40	B
Wilhelm Hoyer B.V. & Co. KG	Hoyer Truck S-TD 10W-40	10W-40	A

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