

Bosch Rexroth Fluid Rating List

für Rexroth-Hydraulikkomponenten (Pumpen und Motoren)*

for Rexroth hydraulic components (pumps and motors)*












* Exception Hägglunds products, see 15414

Die unten genannten Hydraulikflüssigkeiten sind von der Bosch Rexroth AG positiv bewertet. Sie erfüllen die Bedingungen nach RD 90235 für eine Listung in der Bosch Rexroth Fluid Rating List 90245.

Hydraulic fluids mentioned below have been rated favourably by Bosch Rexroth AG. The requirements for listing according to RE 90235 on the Bosch Rexroth Fluid Rating List 90245 are fulfilled.

Klassifizierung von Hydraulikflüssigkeiten / Hydraulic Fluids Classification	
Hydraulikflüssigkeiten auf Basis von Mineralölen und artverwandten Kohlenwasserstoffen / <i>Hydraulic fluids based on mineral oil and related hydrocarbons</i>	HL (HL), HLP (HM), HVLP (HV) und weitere / <i>and other</i>
Umweltverträgliche Hydraulikflüssigkeiten / <i>Environmentally acceptable hydraulic fluids</i>	HETG, HEPG, HEES, HEPR
Schwerentflammbare Hydraulikflüssigkeiten – wasserfrei / <i>Fire-resistant, water-free hydraulic fluids</i>	HFDR, HFDU und weitere / <i>and other</i>
Schwerentflammbare Hydraulikflüssigkeiten – wasserhaltig / <i>Fire-resistant, water-containing hydraulic fluids</i>	HFAE, HFAS, HFB, HFC und weitere / <i>and other</i>

Hydraulikflüssigkeiten auf Basis von Mineralölen und artverwandten Kohlenwasserstoffen / Hydraulic fluids based on mineral oil and related hydrocarbons

Hersteller Manufacturer	Fluidname Fluid brand name	Legend	ISO VG			Kategorie Category	Gültigkeits- datum bis Valid until
			32	46	68		
 ADNOC Distribution	ADNOC Hydraulic Oil	1	–	●	–	HLP (HM)	2022
 Aegean Marine Fuels & Lubricants	Hydralfa 46	1	–	●	–	HLP (HM)	2022
 APAR Industries Ltd.	Power Hydrol HLP Pro	1	–	●	●	HLP (HM)	2023
 Atak Madeni Yağ Pazarlama San. ve Tic. A.S.	Alpet Strona	1	●	●	●	HLP (HM)	2021
 Bardahl de Mexico, S.A. de C.V.	BARDAHL HYDRAULIC OIL	1	●	●	●	HLP (HM)	2021
 BayWa AG	TECTROL HYDRAFLEXX XL	1	–	●	–	HVLP (HV)	2023
 Bharat Petroleum Corporation Ltd	MAK Hydrol HLP	1	●	●	●	HLP (HM)	2021
 BP	Castrol Hyspin AWS HX	1	●	●	●	HLP (HM)	2023
	Castrol Hyspin ZZ HX	2	●	●	●	HLP (HM)	2021
 Champion Chemicals N.V.	Champion HYDRO	1	●	●	●	HLP (HM)	2022
 Chevron, Texaco, Caltex	Rando HDZ	1	●	●	●	HVLP (HV)	2024
 CNOOC	Hai Jinang Hydraulic Oil L-HM	1	●	●	●	HLP (HM)	2023

Legende / Legend

- 1 Zinkhaltig / with zinc
- 2 Zinkfrei / without zinc

**Hydraulikflüssigkeiten auf Basis von Mineralölen und artverwandten Kohlenwasserstoffen /
Hydraulic fluids based on mineral oil and related hydrocarbons**



















Hersteller Manufacturer	Fluidname Fluid brand name	Legend	ISO VG			Kategorie Category	Gültigkeits- datum bis Valid until
			32	46	68		
 ENOC Marketing LLC	ENOC AXIS	1	●	●	●	HLP (HM)	2021
	ENOC Axis L	1	●	–	–	HLP (HM)	2023
 ExxonMobil	Mobil DTE 10 Excel	2	●	●	●	HVLP (HV)	2025
	Mobil DTE 20 Ultra	1	●	●	●	HLP (HM)	2024
 Fuchs Schmierstoffe GmbH	Renolin B HP	1	●	●	●	HLP (HM)	2021
	Renolin B HP Plus	1	●	●	●	HLP (HM)	2021
	Renolin Xtreme Temp	1	●	●	●	HVLP (HV)	2023
	Renolin ZAF MC	2	●	●	●	HVLP (HV)	2024
 Gazpromneft – Lubricants Ltd.	BELAZ G-Profi Hydraulic FF32	1	●	–	–	HLP (HM)	2021
	BELAZ G-Profi Hydraulic Summer HVLP 46	1	–	●	–	HVLP (HV)	2021
	BELAZ G-Profi Hydraulic Tropic HVLP 68	1	–	–	●	HVLP (HV)	2021
	BELAZ G-Profi Hydraulic Winter HVLP 32	1	●	–	–	HVLP (HV)	2021
	Hydraulic HLP	1	●	●	●	HLP (HM)	2021
	Hydraulic HVLP	1	●	●	●	HVLP (HV)	2021
 Groupe MECALAC S.A.S.	MECALAC Premium Lubricants Hydraulic Oil	1	–	●	–	HVLP (HV)	2022
 Grupa Lotos S.A.	HYDROMIL L-HM BA	1	●	●	●	HLP (HM)	2022
 Gulf Oil International Limited	Harmony AW Premium	1	●	●	●	HLP (HM)	2021
 Hermann Bantleon GmbH	Avia Fluid RSL Plus	1	●	●	●	HLP (HM)	2022
 Hindustan Petroleum Corporation Limited	ENKLO HLP T PLUS	1	●	●	●	HLP (HM)	2021
 Indian Oil Corporation Limited	Servosystem XLP Gold	1	●	●	●	HLP (HM)	2021
	Servosystem XLP Star (L)	1	●	●	●	HLP (HM)	2022
 Jiangsu Gaoke Petrochemical Co., Ltd.	L-HM antiwear Hydraulic Oil (High-pressure)	1	–	–	●	HLP (HM)	2021
 Kuwait Petroleum	Q8 Henry	1	●	●	●	HLP(HM)	2021
 Liqui Moly GmbH	Liqui Moly Hydrauliköl HyPER SG1	1	●	●	●	HLP (HM)	2021
 LUKOIL Lubricants Company	Lukoil Geyser LT	1	●	●	●	HVLP (HV)	2023
	Lukoil Geyser ST	1	●	●	●	HLP (HM)	2021
 MOL-LUB Kft.	MOL Hydro HME	1	●	●	●	HLP (HM)	2021
	MOL Hydro Prime HV ZF	2	●	●	●	HVLP (HV)	2021
 Palfinger AG	Hydraulic Oil Premium	1	●	●	●	HVLP (HV)	2022
 Petro Canada Lubricants Inc.	HYDREX AW	1	●	●	●	HLP (HM)	2021
 Petrol Ofisi A.S.	Hydro Oil HD	1	●	●	●	HLP (HM)	2021
 Petronas Lubricant International	Hydraulic Plus	1	●	●	●	HLP (HM)	2021
	Petronas Hydraulic Plus	1	●	●	●	HLP (HM)	2023
	Petronas Hydraulic HV Plus	1	●	●	●	HVLP (HV)	2024

Legende / Legend

1 Zinkhaltig / with zinc

2 Zinkfrei / without zinc


**Hydraulikflüssigkeiten auf Basis von Mineralölen und artverwandten Kohlenwasserstoffen /
 Hydraulic fluids based on mineral oil and related hydrocarbons**

Hersteller Manufacturer	Fluidname Fluid brand name	Legend	ISO VG			Kategorie Category	Gültigkeits- datum bis Valid until
			32	46	68		
 Phillips 66 Company	Powerflow NZ Hydraulic Oil L-HM	2	●	●	●	HLP (HM)	2021
 Puma Energy International	Puma Hydraulic Oil HVI	1	–	●	●	HVLP (HV)	2023
 Qingdao Copton Technology Co., Ltd.	Copton Wei Li Da	1	–	●	–	HLP (HM)	2021
 RALOY Lubricantes, S.A. de C.V.	HIDRAFLUID	1	●	●	●	HLP (HM)	2021
 Shandong Zero Mileage Lubrication Technology Co., Ltd	ZERO MILEAGE HM	1	–	●	–	HLP (HM)	2021
 RN-Lubricants LLC	Rosneft Gidrotec HLP	1	●	●	●	HLP (HM)	2022
 Shell International Petroleum Company	Shell Tellus S2MX	1	●	●	●	HLP (HM)	2021
	Shell Tellus S2VX	1	●	●	●	HVLP (HV)	2022
	Shell Tellus S3Z	1	●	●	●	HLP (HM)	2021
	Shell Tellus S4VE	1	●	●	●	HVLP (HV)	2024
 Sineng Petrochemical Co., Ltd.	Seanon Hydraulic Oil HP	1	–	●	●	HLP (HM)	2021
	Ultra-HP Antiwear Hydraulic Oil	1	–	●	–	HLP (HM)	2021
 Sinopec Lubricant Co., Ltd	Great Wall L-HM Anti-wear Hydraulic Oil (High pressure)	1	●	●	●	HLP (HM)	2024
 SRS Schmierstoff Vertrieb GmbH	Wiolan HB	1	●	●	●	HLP (HM)	2023
 Tide Water Oil Co. (India) Ltd.	Veedol Avalon HLP	1	●	●	●	HLP (HM)	2021
 Tiger Petroleum (China) Co., Ltd	TIGER WEINENG HYDRAULIC OIL HDX	1	●	●	●	HLP (HM)	2021
 TongYi Petroleum Chemical Co., Ltd.	CHUNCUI ANTIWEAR Hydraulic Oil	1	●	●	●	HLP (HM)	2023
 Total Lubrifiants	Total Azolla ZS	1	●	●	●	HLP (HM)	2021
	Total Azolla ZXL	1	●	●	●	HLP (HM)	2021
 TUPO LUBRICANT CO. LTD.	Premium Enhanced Anti Wear Hydraulic Oil L-HM	1	●	●	●	HLP (HM)	2021
 Valvoline	Valvoline HLP Excel	1	–	–	●	HLP (HM)	2021
	Valvoline HLP IMEX	1	●	●	●	HLP (HM)	2022
	Valvoline Ultramax HLP	1	●	●	–	HLP (HM)	2023
 Wolf Oil Corporation N.V.	WOLF AROW	1	●	●	●	HLP (HM)	2022
 Zeller + Gmelin GmbH & Co. KG	Divinol HLP ISO VG 46 BR	1	–	●	–	HLP (HM)	2021

Legende / Legend

- 1 Zinkhaltig / with zinc
 2 Zinkfrei / without zinc

**Umweltverträgliche Hydraulikflüssigkeiten /
Environmentally acceptable hydraulic fluids**

Hersteller Manufacturer	Fluidname Fluid brand name	Legend	ISO VG			Kategorie Category	Gültigkeits- datum bis Valid until
			32	46	68		
 PANOLIN International Inc.	PANOLIN HLP SYNTH	3	●	●	–	HEES	2022

Legende / Legend

- 1 Zinkhaltig / with zinc
- 2 Zinkfrei / without zinc
- 3 gesättigter Ester / saturated ester
- 4 ungesättigter Ester / unsaturated ester

Von der Bosch Rexroth AG positiv bewertete Hydraulikflüssigkeiten dürfen von den Schmierstoffherstellern in deren Datenblättern oder sonstigen Publikationen mit folgendem Vermerk geführt werden:

Erfüllt die Anforderungen gemäß Bosch Rexroth RDE 90235 oder Bosch Rexroth Fluid Rating List RDE 90245.

Nicht oder negativ bewertete Hydraulikflüssigkeiten dürfen diesen Vermerk nicht führen.

Hydraulic fluids rated favourably by Bosch Rexroth AG may be listed by the lubricant manufacturers in their data sheets or other publications with the following note:

Meets the requirements of Bosch Rexroth RDE 90235 or Bosch Rexroth Fluid Rating List RDE 90245.

Hydraulic fluids that have not been rated or that have been rated negatively may not carry this note.

Hinweise

- ▶ Fluid- und anlagenspezifische Besonderheiten sind bei der Projektierung zu berücksichtigen.
- ▶ Die Angaben in den Anwendungshinweisen 90220, 90221, 90222 und 90223 sind zu beachten.
- ▶ Ausgedruckte Listen sind nicht verbindlich, die aktuelle Version ist im Medienverzeichnis der Bosch Rexroth AG abrufbar:
<https://www.boschrexroth.com/ics/ref/media/90245>

Notes

- ▶ *Fluid and system-specific characteristics are to be taken into account during project planning.*
- ▶ *The information in the application instructions 90220, 90221, 90222 and 90223 is to be observed.*
- ▶ *Printed lists are not obligatory, the current version is available in the media directory of Bosch Rexroth AG:
<https://www.boschrexroth.com/ics/ref/media/90245>*

Bosch Rexroth AG

Glockeraustraße 4
89275 Elchingen, Germany
Tel. +49 7308 82-0

An den Kelterwiesen 14
72160 Horb, Germany
Tel. +49 7451 92-0

info.brm@boschrexroth.de
www.boschrexroth.com

© Bosch Rexroth AG 2020. Alle Rechte vorbehalten, auch bzgl. jeder Verfügung, Verwertung, Reproduktion, Bearbeitung, Weitergabe sowie für den Fall von Schutzrechtsanmeldungen. Die angegebenen Daten dienen allein der Produktbeschreibung. Eine Aussage über eine bestimmte Beschaffenheit oder eine Eignung für einen bestimmten Einsatzzweck kann aus unseren Angaben nicht abgeleitet werden. Die Angaben entbinden den Verwender nicht von eigenen Beurteilungen und Prüfungen. Es ist zu beachten, dass unsere Produkte einem natürlichen Verschleiß- und Alterungsprozess unterliegen.

© Bosch Rexroth AG 2020. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights. The data specified within only serves to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.