

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

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

| Hersteller<br>Manufacturer   | Fluidname<br>Fluid brand name     | Legend | ISO VG |    |    | Kategorie<br>Category | Gültigkeits-<br>datum bis<br>Valid until |
|--|-----------------------------------|--------|--------|----|----|-----------------------|--|
|  |                                   |        | 32     | 46 | 68 |                       |  |
|  Aegean Marine Fuels & Lubricants                     | Hydralfa 46                       | 1      | –      | ●  | –  | HLP (HM)              | 2022                                     |
|  APAR Industries Ltd.                                 | Power Hydrol HLP Pro              | 1      | –      | ●  | ●  | HLP (HM)              | 2023                                     |
|  Alpet<br>Atak Madeni Yağ Pazarlama San. ve Tic. A.S. | Alpet Strona                      | 1      | ●      | ●  | ●  | HLP (HM)              | 2021                                     |
|  TECTROL<br>Vielseitig. Leistungsstark. Sicher.       | BayWa AG<br>TECTROL HYDRAFLEXX XL | 1      | –      | ●  | –  | HVLP (HV)             | 2023                                     |
|  Bharat Petroleum Corporation Ltd                     | MAK Hydrol HLP                    | 1      | ●      | ●  | ●  | HLP (HM)              | 2021                                     |
|  Mobil<br>Performance by ExxonMobil                   | ExxonMobil<br>Mobil DTE 10 Excel  | 2      | ●      | ●  | ●  | HVLP (HV)             | 2020                                     |
|  | Mobil DTE 20 Ultra                | 1      | ●      | ●  | ●  | HLP (HM)              | 2024                                     |
|  FUCHS<br>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                                     |




#### 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<br>Manufacturer  | Fluidname<br>Fluid brand name                         | Legend  | ISO VG |    |    | Kategorie<br>Category | Gültigkeits-<br>datum bis<br>Valid until |      |
|---|---|---|--------|----|----|-----------------------|--|------|
|   |   |   | 32     | 46 | 68 |                       |  |      |
|     | Gazpromneft – Lubricants Ltd.                         | BELAZ G-Profi Hydraulic Winter HVLP 32                  | 1      | ●  | –  | –                     | HVLP (HV)                                | 2021 |
|   |   | BELAZ G-Profi Hydraulic Summer HVLP 46                  | 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)                                 | 2021 |
|    | Hindustan Petroleum Corporation Limited               | ENKLO HLP T PLUS  | 1      | ●  | ●  | ●                     | HLP (HM)                                 | 2021 |
|    | Indian Oil Corporation Limited                        | Servosystem XLP Gold                                    | 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                             | Geyser ST   | 1      | ●  | ●  | ●                     | HLP (HM)                                 | 2021 |
|  | MOL-LUB Kft.  | MOL Hydro HME   | 1      | ●  | ●  | ●                     | HLP (HM)                                 | 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 |
|   | Puma Energy International                             | Puma Hydraulic Oil HVI                                  | 1      | –  | ●  | ●                     | HVLP (HV)                                | 2023 |
|   | Qingdao Copton Technology Co., Ltd.                   | Copton Wei Li Da  | 1      | –  | ●  | –                     | HLP (HM)                                 | 2021 |
|   | Shandong Zero Mileage Lubrication Technology Co., Ltd | ZERO MILEAGE HM   | 1      | –  | ●  | –                     | HLP (HM)                                 | 2021 |
|  | 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 |
|  | TongYi Petroleum Chemical Co., Ltd.                   | Fulmer Hydraulic Oil                                    | 1      | ●  | ●  | ●                     | HLP (HM)                                 | 2021 |
|  | Total Lubrifiants                                     | Total Azolla ZS   | 1      | ●  | ●  | ●                     | HLP (HM)                                 | 2021 |

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

| Hersteller<br>Manufacturer  | Fluidname<br>Fluid brand name                 | Legend | ISO VG |    |    | Kategorie<br>Category | Gültigkeits-<br>datum bis<br>Valid until |
|---|---|--------|--------|----|----|-----------------------|--|
|   |   |        | 32     | 46 | 68 |                       |  |
|  TUPO LUBRICANT CO. LTD.       | Premium Enhanced Anti Wear Hydraulic Oil L-HM | 1      | ●      | ●  | ●  | HLP (HM)              | 2021                                     |
|  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                                     |

### Umweltverträgliche Hydraulikflüssigkeiten / Environmentally acceptable hydraulic fluids

| Hersteller<br>Manufacturer   | Fluidname<br>Fluid brand name | Legend | ISO VG |    |    | Kategorie<br>Category | Gültigkeits-<br>datum bis<br>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>*

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