



KOLBENSCHMIDT



## LIQUIDS AND LUBRICANTS – ENGINE AND TRANSMISSION OILS BRAKE AND COOLING LIQUIDS

PASSION FOR **TECHNOLOGY.**



RHEINMETALL

**ENGINE, COMPRESSOR AND TRANSMISSION OILS**

Made in France, our engine and compressor oils for light-duty vehicles, trucks and stationary engines meet manufacturers' requirements. So as to cover all needs, our oils are available in 1 L, 5 L, 20 L and 210 L. 60 L packaging is available on demand. Our oils for transmissions also meet manufacturers' requirements. They are available in 1 L and 20 L for ATF III.

**BRAKE LIQUIDS**

Made in France, our brake liquids for DOT 3 and DOT 4 meet manufacturers' requirements. They are to be used as a replacement or in addition (they should only be mixed with a liquid of the same type). They can be used in all disk or drum brake systems that use synthetic liquid. They should not be blended with LHM-type products (organs painted in green).

**COOLING LIQUIDS**

Made in France, our cooling liquids meet manufacturers' requirements. They are based on ethylene glycol and are free of phosphate, nitrite and amine. They are available in 5 L and 210 L.



Category*	Reference	Type	Application	Product description	Specifications
Engine oils	15W40 A3 / B4	Mineral	LDV	Oil for petrol or diesel engines for passenger cars without particle filter.	ACEA A3 / B4, API SN, MB 229.1, VW 501.01 / 505.00
	15W40 E7		Trucks	Oil for truck engines and public works equipment.	ACEA: E7 16, Cummins CES 20078, API: CI 4 / SL, Caterpillar ECF 1a, MB 228.3, Renault VI RLD 2, MAN 3275, Deutz DQC III, Volvo VDS 3, JASO DH 1, MTU type 2, GLOBAL DHD 1, MACK EO N, DDC 93K215
	15W40 SL / CF	Semi-synthetic	LDV	Oil for engines for passenger cars.	ACEA A3 / B4, API SN, MB 229.1, VW 501.01 / 505.00
	20W50 SF / CD		LDV	Oil for petrol or diesel engines for passenger cars.	API: SF / CD
	75W80		Trucks	"Extreme pressure" oil for mechanical transmissions.	API GL5, MIL-L-2105D, MAN 342 M-2, ZF TE ML 05A, 7A, 12E, 16B-D, 17B, 19B, 21A, Volvo 1273.10, OTAN 0-226
	80W90 GL5		Trucks	"Extreme pressure" oil for mechanical transmissions.	API GL5, MIL-L-2105D, MAN 342 M-2, ZF TE ML 05A, 7A, 12E, 16B-D, 17B, 19B, 21A, Volvo 1273.10, OTAN 0-226
	85W140 GL5		Trucks	"Extreme pressure" oil for mechanical transmissions.	API: GL5, MIL-L-2105D, MAN 342 M-2, ZF TE ML 05A, 7A, 12E, 16B-D, 17B, 19B, 21A, Volvo 1273.10, OTAN 0-226
	HM 68		Trucks	Hydraulic anti-wear and anti-oxidant oil with natural viscosity index.	AFNOR NF E 48603: HM, DIN 51524 part 2, Eaton E FDGN TB002 E, Parker (Denison) HF 0 HF 1 & HF 2, Fives P68, P69, P70, ISO 11158, ASTM D6158, SAE MS 1004, Bosch Rexroth RDE90235, JCMAS P041 Hydraulic specification, GM LS 2, AIST 126, 127, SEB 181222
	SAE 50 API SA		LDV	Oil for economical engines.	API: SA
	10W40 A3 / B4	Synthetic	LDV	Oil for petrol or diesel engines for passenger cars without particle filter.	ACEA A3 / B4, API SL, MB 229.1
	5W30 C3		LDV	Very high-quality oil for petrol or diesel engines for passenger cars without particle filter.	ACEA C2, ACEA C3, API SN, MB 229.51, MB 229.52, Opel Dexos 2
	5W40 A3 / B4		LDV	Oil for petrol or diesel engines for passenger cars without particle filter.	ACEA A3 / B4, API SN, MB 229.3, VW 502.00 / 505.00, RN 0700
	5W40 C3		LDV	High-quality oil for Renault, Volkswagen, Mercedes-Benz or Opel / General Motors engines with particle filter.	ACEA C3, API SN, RN 0700 / 0710, VW 502.00 / 505.01, MB 229.31, MB 226.5, Ford WSS-M2C917A, Porsche A40, Opel Dexos 2
	10W40 E4 / E7	Trucks	Trucks	High-quality oil for truck engines and public works equipment.	ACEA: E7 1 6, Volvo VDS 3, ACEA A3 / B4 16, MTU type 2, API: CI 4 / SL, Deutz DQC 3, RVI: RLD 2, Caterpillar ECF 2, MB 228.3, MACK EO N, MAN 3275, Cummins CES 2007 8, JASO DH 1, Global DHD 1, DDC 93K215
ISO 46	Synthetic		Trucks, off-highway	High-quality synthetic liquid for compressors.	DIN 51506 VDL, DIN 51524 HLP, GM LJ, SAE MS 1003 2
ISO 68		Trucks, Off-highway	High-quality synthetic liquid for compressors.	DIN 51506 VDL, DIN 51524 HLP, GM LJ, SAE MS 1003 2	
Transmission oils	ATF II	Semi-synthetic	Trucks	Red, semi-synthetic oil that meets the requirements of Dexron® IID. For automatic transmissions, torque converters, power steering and various hydraulic systems.	Dexron® IID, Renault Matic D2, Ford WSS-M2C138-CJ / WSS-M2C166-H, Ford MERCON®, Toyota ATF D-II, Allison C-3 / C-4, Caterpillar TO-2
	ATF III		Trucks	Red, semi-synthetic oil that meets the requirements of Dexron® IIH. For automatic transmissions, torque converters, power steering and various hydraulic systems.	Dexron® IIH, VW / Audi G 055 025-A2 / G 052 162 / G 052 055 / G 052 025-A2, Renault Matic D2, Ford WSS-M2C138-CJ / WSS-M2C166-H, Ford MERCON®, Toyota ATF T-IV, Hyundai / Kia SP-III, Honda ATF Z-1, Allison C-4, Caterpillar TO-2
Brake liquids	DOT 3	LDV	LDV	Liquid of synthetic origin for brakes and clutch.	FMVSS 116 DOT 3, SAE J1704
	DOT 4		LDV	FMVSS 116 DOT 4, SAE J1704	
Cooling liquids	LR Renault	LDV	Organic cooling liquid, -25 °C, yellow, adapted to Renault vehicles.	Renault 41-01-001 / Type D	
	LR PSA	LDV	Organic cooling liquid, -37 °C, blue-green, passing PSA B71 5110 specifications.	PSA B71 5110	
	LR VW G12	LDV	Organic cooling liquid, -30 °C, pink, adapted to Volkswagen vehicles.	VW, Audi, Seat, Škoda TL-774-D / F (G12 / G12+), MB 326.3	
	LR VW G13	LDV	Organic cooling liquid, -37 °C, purple, particularly adapted to Volkswagen vehicles for which standard TL-774-J (G13) is recommended.	VW, Audi, Seat, Škoda, Porsche TL-774-J (G13)	
	LR Ford	LDV	Organic cooling liquid, -37 °C, orange, adapted to Ford or Opel vehicles.	Ford WSS-M97B44-D, Opel GMW 3420, Mazda Mez MN 121 D	
	LR Mercedes-Benz G11	LDV	Mineral cooling liquid, -37 °C, green.	VW, Audi, Seat, Škoda, Porsche TL774C (G11), Mercedes-Benz DBL 7700, Volvo (Reg. 260), Chrysler MS 9176, BMW N 600 69.0, Fiat, Opel GM QL 130100	

\*Consult manufacturers' recommendations.

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