

Approved lubricants

Freigegebene Schmierstoffe

T 7300

Table A-a Standard mineral oils for FLENDER helical, bevel-helical, planetary gear boxes and 'Marine gear units without multi-disk clutches' - API-group = I or II



Tabelle A-a Standardmineralöle für FLENDER Stirnrad-, Kegelrad-, Planetengetriebe und 'Marinegetriebe ohne Lamellenkupplung' - API-Gruppe = I oder II

revision: 29 April 2025

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printed lists are not obligatory --- the current version is to be found using the following link https://www.flender.com/lubricants base oil type and viscosity class have to be according to type plate or dimension drawing of gear box!								
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Brand name	Viscosity class DIN ISO 3448 at 40 °C (mm2/s). --- Viskositätsklasse DIN ISO 3448 bei 40 °C (mm2/s)							
	ISO VG 100	ISO VG 150	ISO VG 220	ISO VG 320	ISO VG 460	ISO VG 680	ISO VG 1000	
Markenname	FLENDER Code No. --- FLENDER-Kennziffer							
	A17	A16	A15	A14	A13	A12	A11	
Mineral oils --- Mineralöle								
 Advanced Lubrication Specialties		ADVANTAGE AMP GEAR OIL M15	ADVANTAGE AMP GEAR OIL M22	ADVANTAGE AMP GEAR OIL M32	ADVANTAGE AMP GEAR OIL M46	ADVANTAGE AMP GEAR OIL M68		
 AXCL GULF FZC				AXCL INDUSTRIAL GEAR OIL ISO VG 320 FDR				
 Bharat Petroleum			MAK Amocam Plus 220	MAK Amocam Plus 320	MAK Amocam Plus 460			
 Brugarolas S.A.		Beslux Gear XPM 150	Beslux Gear XPM 220	Beslux Gear XPM 320	Beslux Gear XPM 460	Beslux Gear XPM 680		
 Caltex		Caltex Meropa XL 150	Caltex Meropa XL 220	Caltex Meropa XL 320	Caltex Meropa XL 460	Caltex Meropa XL 680		
		Caltex Meropa MG 150	Caltex Meropa MG 220					
 Castrol		Alpha SP 150	Alpha SP 220	Alpha SP 320	Alpha SP 460			
		Optigear BM 150	Optigear BM 220	Optigear BM 320	Optigear BM 460			
 CEPSA			ENGRANAJES XMP 220	ENGRANAJES XMP 320	ENGRANAJES XMP 460			
				AEROGEAR 320				
 Chevron		Chevron Meropa XL 150	Chevron Meropa XL 220	Chevron Meropa XL 320	Chevron Meropa XL 460	Chevron Meropa XL 680		
		Chevron Meropa MG 150	Chevron Meropa MG 220					
 Cogelsa			ULTRAGEAR EP 220	ULTRAGEAR EP 320	ULTRAGEAR EP 460			

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Mineral oils --- Mineralöle								
 Engen		Gengear XEP 150	Gengear XEP 220	Gengear XEP 320	Gengear XEP 460			
 Fuchs		RENOLIN CLP 150	RENOLIN CLP 220	RENOLIN CLP 320	RENOLIN CLP 460	RENOLIN CLP 680		
			RENOLIN CLP VCI 220 (*)	RENOLIN CLP VCI 320 (*)	RENOLIN CLP VCI 460 (*)			
		RENOLIN CLP 150 Plus	RENOLIN CLP 220 Plus	RENOLIN CLP 320 Plus	RENOLIN CLP 460 Plus			
 GALP		Galp Transgear 150	Galp Transgear 220	Galp Transgear 320	Galp Transgear 460			
 GS Caltex		Kixx Gear EP ML 150	Kixx Gear EP ML 220	Kixx Gear EP ML 320	Kixx Gear EP ML 460	Kixx Gear EP ML 680		
 Gulf Marine		GulfSea Gear Oil 150	GulfSea Gear Oil 220	GulfSea Gear Oil 320	GulfSea Gear Oil 460			
 Gulf Oil International		Gulf GEARTEK WT 150	Gulf GEARTEK WT 220	Gulf GEARTEK WT 320	Gulf GEARTEK WT 460	Gulf GEARTEK WT 680		
 Hermann Bantleon		AVIA GEAR RSX-F 150	AVIA GEAR RSX-F 220	AVIA GEAR RSX-F 320	AVIA GEAR RSX-F 460	AVIA GEAR RSX-F 680		

*) This oil is approved for short time usage (e. g. end-of-line testing). For long term usage customers must contact the lubricant manufacturer.

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Mineral oils --- Mineralöle								
 Hindustan Petroleum		PARTHAN ML 150	PARTHAN ML 220	PARTHAN ML 320	PARTHAN ML 460	PARTHAN ML 680		
 Indian Oil		Servomesh Gold 150	Servomesh Gold 220	Servomesh Gold 320	Servomesh Gold 460	Servomesh Gold 680		
 Mobil		Mobilgear 600 XP 150	Mobilgear 600 XP 220	Mobilgear 600 XP 320	Mobilgear 600 XP 460	Mobilgear 600 XP 680		
 MOL-LUB Ltd.		MOL Ultrans EP 150	MOL Ultrans EP 220	MOL Ultrans EP 320	MOL Ultrans EP 460			
 Olma d.o.o.		OLMAREDOL FL 150	OLMAREDOL FL 220	OLMAREDOL FL 320	OLMAREDOL FL 460	OLMAREDOL FL 680		
 PetroChina		KunLun KPM Heavy-duty Industrial Gear Oil 150	KunLun KPM Heavy-duty Industrial Gear Oil 220	KunLun KPM Heavy-duty Industrial Gear Oil 320	KunLun KPM Heavy-duty Industrial Gear Oil 460	KunLun KPM Heavy-duty Industrial Gear Oil 680		
 Petrol Ofisi		Gravis MP 150	Gravis MP 220	Gravis MP 320	Gravis MP 460	Gravis MP 680		
 Petronas		Petronas Gear FL 150	Petronas Gear FL 220	Petronas Gear FL 320	Petronas Gear FL 460	Petronas Gear FL 680		
 PTTOR PTT Oil and Retail		Drivera SF 150	Drivera SF 220	Drivera SF 320	Drivera SF 460	Drivera SF 680		

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	A17	A16	A15	A14	A13	A12	A11	
	Mineral oils --- Mineralöle							
 Shell	Omala S2 GX 100	Omala S2 GX 150	Omala S2 GX 220	Omala S2 GX 320	Omala S2 GX 460	Omala S2 GX 680		
 Sinopec			Great Wall AP Industrial Gear Oil 220	Great Wall AP Industrial Gear Oil 320	Great Wall AP Industrial Gear Oil 460			
 Sunoco Lubricants		SUNOCO SUNEP MPT GEAR OIL M153	SUNOCO SUNEP MPT GEAR OIL M223	SUNOCO SUNEP MPT GEAR OIL M323	SUNOCO SUNEP MPT GEAR OIL M463	SUNOCO SUNEP MPT GEAR OIL M683		
 Monarch Tongyi Petroleum		TONGYI TERRICA Micropitting Resistant Gear Oil 150	TONGYI TERRICA Micropitting Resistant Gear Oil 220	TONGYI TERRICA Micropitting Resistant Gear Oil 320				
 Texaco		Texaco Meropa XL 150	Texaco Meropa XL 220	Texaco Meropa XL 320	Texaco Meropa XL 460	Texaco Meropa XL 680		
		Texaco Meropa MG 150	Texaco Meropa MG 220					
 TotalEnergies		CARTER XEP 150	CARTER XEP 220	CARTER XEP 320	CARTER XEP 460	CARTER XEP 680		
		CARTER EP 150	CARTER EP 220	CARTER EP 320	CARTER EP 460	CARTER EP 680		
 Verkol		COMPOUND MP-150	COMPOUND MP-220	COMPOUND MP-320	COMPOUND MP-460			