

Approved lubricants

Freigegebene Schmierstoffe

T 7300

Table A-c Standard PAO oils for FLENDER helical, bevel-helical, planetary gear boxes and
'Marine gear units without multi-disk clutches'



Tabelle A-c Standard-PAO-Öle für FLENDER Stirnrad-, Kegelrad-, Planetengetriebe und
'Marinegetriebe ohne Lamellenkupplung'

revision: 29 April 2025

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FLENDER gear units		Table A-c Standard PAO oils for FLENDER helical, bevel-helical, planetary gear boxes and 'Marine gear units without multi-disk clutches'						T 7300
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Markenname	FLENDER Code No. --- FLENDER-Kennziffer							
	A37	A36	A35	A34	A33	A32	A31	
Poly-α-olefins. --- Poly-α-Olefine								
 ADNOC Distribution		ADNOC Industrial Gear Oil FL PA 150	ADNOC Industrial Gear Oil FL PA 220	ADNOC Industrial Gear Oil FL PA 320	ADNOC Industrial Gear Oil FL PA 460	ADNOC Industrial Gear Oil FL PA 680		
 AMSOIL		Synthetic Power Transmission EP Gear Oil 150	Synthetic Power Transmission EP Gear Oil 220	Synthetic Power Transmission EP Gear Oil 320	Synthetic Power Transmission EP Gear Oil 460			
 Anderol		Anderol 5150 Plus	Anderol 5220 Plus	Anderol 5320 Plus	Anderol 5460 Plus	Anderol 5680 Plus		
 Anhui Jinde				Fsephgea DW320-I extreme pressure Heavy load gear oil				
 AP Oil		AP GETOEL EP 150 FS	AP GETOEL EP 220 FS	AP GETOEL EP 320 FS	AP GETOEL EP 460 FS	AP GETOEL EP 680 FS		
 ATP (Shanghai) Special Lubricants		ATP SGG SYN W 150	ATP SGG SYN W 220	ATP SGG SYN W 320	ATP SGG SYN W 460	ATP SGG SYN W 680		
 BEICHEM		Berusrnth GPX 150	Berusrnth GPX 220	Berusrnth GPX 320	Berusrnth GPX 460	Berusrnth GPX 680		
 Bharat Petroleum		MAK Syngear 150	MAK Syngear 220	MAK Syngear 320	MAK Syngear 460	MAK Syngear 680		
 Calumet			Bel-Ray® Synthetic Gear Oil 220	Bel-Ray® Synthetic Gear Oil 320	Bel-Ray® Synthetic Gear Oil 460	Bel-Ray® Synthetic Gear Oil 680		

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Poly-α-olefins. --- Poly-α-Olefine								
 Caltex		Caltex Meropa EliteSyn WL 150	Caltex Meropa EliteSyn WL 220	Caltex Meropa EliteSyn WL 320	Caltex Meropa EliteSyn WL 460	Caltex Meropa EliteSyn WL 680		
 Castrol		Alphasyn EP 150	Alphasyn EP 220	Alphasyn EP 320	Alphasyn EP 460	Alphasyn EP 680		
		Optigear Synthetic PD 150 ES	Optigear Synthetic PD 220 ES	Optigear Synthetic PD 320 ES	Optigear Synthetic PD 460 ES			
 CEPSA				AEROGear SYNT 320				
 Changsha Univac Petrochemical		ZC6483W Industrial Gear Oil 150	ZC6483W Industrial Gear Oil 220	ZC6483W Industrial Gear Oil 320	ZC6483W Industrial Gear Oil 460	ZC6483W Industrial Gear Oil 680		
 Chevron		Chevron Meropa EliteSyn WL 150	Chevron Meropa EliteSyn WL 220	Chevron Meropa EliteSyn WL 320	Chevron Meropa EliteSyn WL 460	Chevron Meropa EliteSyn WL 680		
 COGELSA		ULTRASYNTH EP 150	ULTRASYNTH EP 220	ULTRASYNTH EP 320	ULTRASYNTH EP 460	ULTRASYNTH EP 680		
 Fluid Land		Flulagear SYNW 150#	Flulagear SYNW 220#	Flulagear SYNW 320#	Flulagear SYNW 460#	Flulagear SYNW 680#		
 Foshan JinJian		JINJIAN® WGO-150	JINJIAN® WGO-220	JINJIAN® WGO-320				

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Poly-α-olefins. --- Poly-α-Olefine								
 Fuchs				RENOLIN UNISYN CLP 320				
 FUDIS		FDS FC 150 Gear Oil	FDS FC 220 Gear Oil	FDS FC 320 Gear Oil	FDS FC 460 Gear Oil	FDS FC 680 Gear Oil		
 GALP			Galp Transgear SY FA 220	Galp Transgear SY FA 320	Galp Transgear SY FA 460			
 GS Caltex			Kixx Gear EP S 220	Kixx Gear EP S 320				
		Kixx Gear EP SL 150	Kixx Gear EP SL 220	Kixx Gear EP SL 320	Kixx Gear EP SL 460	Kixx Gear EP SL 680		
 Gulf Oil International		GULF GEARTEK SY 150	GULF GEARTEK SY 220	GULF GEARTEK SY 320	GULF GEARTEK SY 460	GULF GEARTEK SY 680		
 JingYi		Synlube Gear JYE 150	Synlube Gear JYE 220	Synlube Gear JYE 320	Synlube Gear JYE 460	Synlube Gear JYE 680		
 HDM Technology		HDM-CKS Fully Synthetic high and low temperature EP Gear Oil 150	HDM-CKS Fully Synthetic high and low temperature EP Gear Oil 220	HDM-CKS Fully Synthetic high and low temperature EP Gear Oil 320	HDM-CKS Fully Synthetic high and low temperature EP Gear Oil 460	HDM-CKS Fully Synthetic high and low temperature EP Gear Oil 680		
 Hermann Bantleon		AVIA SYNTOGear PE 150	AVIA SYNTOGear PE 220	AVIA SYNTOGear PE 320	AVIA SYNTOGear PE 460	AVIA SYNTOGear PE 680		
		AVILUB Gear PAO 150	AVILUB Gear PAO 220	AVILUB Gear PAO 320	AVILUB Gear PAO 460	AVILUB Gear PAO 680		
 Hindustan Petroleum			PARTHAN SL 220	PARTHAN SL 320	PARTHAN SL 460			

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Poly-α-olefins. --- Poly-α-Olefine								
 龙蟠科技 Lopar 一条龙盘好全球第一辆汽车 Jiangsu Lopar		Lopal Wind Power 150	Lopal Wind Power 220	Lopal Wind Power 320	Lopal Wind Power 460	Lopal Wind Power 680		
		Ultrapower 150	Ultrapower 220	Ultrapower 320	Ultrapower 460	Ultrapower 680		
 KLÜBER LUBRICATION Klüber		Klübersynth GEM 4 - 150 N	Klübersynth GEM 4 - 220 N	Klübersynth GEM 4 - 320 N	Klübersynth GEM 4 - 460 N	Klübersynth GEM 4 - 680 N		
		Klübersynth MEG 4 - 150	Klübersynth MEG 4 - 220	Klübersynth MEG 4 - 320	Klübersynth MEG 4 - 460	Klübersynth MEG 4 - 680		
 LEANON LEANON		LEANON Fully synthetic industrial gear oil - 150	LEANON Fully synthetic industrial gear oil - 220	LEANON Fully synthetic industrial gear oil - 320	LEANON Fully synthetic industrial gear oil - 460	LEANON Fully synthetic industrial gear oil - 680		
 海华 LIAONING Liaoning Haihua		Lubricants for wind turbine: Gearbox oils 150	Lubricants for wind turbine: Gearbox oils 220	Lubricants for wind turbine: Gearbox oils 320	Lubricants for wind turbine: Gearbox oils 460	Lubricants for wind turbine: Gearbox oils 680		
 CYCLON LPC Hellas SA		CYCLON TITANUS EP SYNPAO 150	CYCLON TITANUS EP SYNPAO 220	CYCLON TITANUS EP SYNPAO 320	CYCLON TITANUS EP SYNPAO 460	CYCLON TITANUS EP SYNPAO 680		
 LubriTech Lubritech Limited		GRANTT Synogear Super CKT 150	GRANTT Synogear Super CKT 220	GRANTT Synogear Super CKT 320	GRANTT Synogear Super CKT 460	GRANTT Synogear Super CKT 680		
 LUKOIL LUBRICANTS Lukoil		Lukoil Steelo Synth 150	Lukoil Steelo Synth 220	Lukoil Steelo Synth 320	Lukoil Steelo Synth 460	Lukoil Steelo Synth 680		
 ExxonMobil Mobil		Mobil SHC 629	Mobil SHC 630	Mobil SHC 632	Mobil SHC 634	Mobil SHC 636		
		Mobil SHC Gear 150	Mobil SHC Gear 220	Mobil SHC Gear 320	Mobil SHC Gear 460	Mobil SHC Gear 680		

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Poly-α-olefins. --- Poly-α-Olefine								
 MOTOREX		GEAR SINTEC CLP 150	GEAR SINTEC CLP 220	GEAR SINTEC CLP 320	GEAR SINTEC CLP 460	GEAR SINTEC CLP 680		
 Nanjing Chemical M. C.		Wind Turbine Gear Oil NCMC150 WT	Wind Turbine Gear Oil NCMC220 WT	Wind Turbine Gear Oil NCMC320 WT	Wind Turbine Gear Oil NCMC460 WT	Wind Turbine Gear Oil NCMC680 WT		
 NMCS (Liaoning) Energy Co.		NMCS CCE 150 Synthetic Resisting Micropitting Industrial Gear Oil	NMCS CCE 220 Synthetic Resisting Micropitting Industrial Gear Oil	NMCS CCE 320 Synthetic Resisting Micropitting Industrial Gear Oil	NMCS CCE 460 Synthetic Resisting Micropitting Industrial Gear Oil	NMCS CCE 680 Synthetic Resisting Micropitting Industrial Gear Oil		
 Olma d.o.o.		OLMAREDOL 4150	OLMAREDOL 4220	OLMAREDOL 4320	OLMAREDOL 4460	OLMAREDOL 4680		
 PETRO CANADA		Enduratex Synthetic EP 150	Enduratex Synthetic EP 220	Enduratex Synthetic EP 320	Enduratex Synthetic EP 460			
 PetroChina		KunLun FD3000N-B Gear Oil 150	KunLun FD3000N-B Gear Oil 220	KunLun FD3000N-B Gear Oil 320	KunLun FD3000N-B Gear Oil 460	KunLun FD3000N-B Gear Oil 680		
		KunLun FD3000N+ Gear Oil 150	KunLun FD3000N+ Gear Oil 220	KunLun FD3000N+ Gear Oil 320	KunLun FD3000N+ Gear Oil 460	KunLun FD3000N+ Gear Oil 680		
		KunLun KPM/S Synthetic Heavy-duty Industrial Gear Oil 150	KunLun KPM/S Synthetic Heavy-duty Industrial Gear Oil 220	KunLun KPM/S Synthetic Heavy-duty Industrial Gear Oil 320	KunLun KPM/S Synthetic Heavy-duty Industrial Gear Oil 460	KunLun KPM/S Synthetic Heavy-duty Industrial Gear Oil 680		
 Petrol Ofisi		Gravis SP 150	Gravis SP 220	Gravis SP 320	Gravis SP 460	Gravis SP 680		
 PETRONAS		PETRONAS PROGEAR SYN PAO 150	PETRONAS PROGEAR SYN PAO 220	PETRONAS PROGEAR SYN PAO 320	PETRONAS PROGEAR SYN PAO 460	PETRONAS PROGEAR SYN PAO 680		
		Petronas Gear Syn mPAO 150	Petronas Gear Syn mPAO 220	Petronas Gear Syn mPAO 320	Petronas Gear Syn mPAO 460	Petronas Gear Syn mPAO 680		

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Poly-α-olefins. --- Poly-α-Olefine								
 PTT Oil and Retail Business Public Company Ltd		PTT Drivera Synthetic S-150	PTT Drivera Synthetic S-220	PTT Drivera Synthetic S-320	PTT Drivera Synthetic S-460	PTT Drivera Synthetic S-680		
 Qingdao Copton Technology Co.		SSHC 150 Synthetic Industrial Gear Oil	SSHC 220 Synthetic Industrial Gear Oil	SSHC 320 Synthetic Industrial Gear Oil	SSHC 460 Synthetic Industrial Gear Oil	SSHC 680 Synthetic Industrial Gear Oil		
 REPSOL		MAKER SUPER TAURO SYNTH 150	MAKER SUPER TAURO SYNTH 220	MAKER SUPER TAURO SYNTH 320	MAKER SUPER TAURO SYNTH 460			
 Rosneft		Rosneft Redutec LL 150	Rosneft Redutec LL 220	Rosneft Redutec LL 320	Rosneft Redutec LL 460	Rosneft Redutec LL 680		
 Setral Competence in Lubricants		SYN-setral-GEAR 150 N	SYN-setral-GEAR 220 N	SYN-setral-GEAR 320 N	SYN-setral-GEAR 460 N	SYN-setral-GEAR 680 N		
 零公里润滑油 ZERO MILEAGE LUBRICANT Shandong Zero Mileage		Zero Mileage Wind Turbine Gear Fluid 150	Zero Mileage Wind Turbine Gear Fluid 220	Zero Mileage Wind Turbine Gear Fluid 320	Zero Mileage Wind Turbine Gear Fluid 460	Zero Mileage Wind Turbine Gear Fluid 680		
 Shanghai Hitecrun		HITECSYN SMP Plus 150	HITECSYN SMP Plus 220	HITECSYN SMP Plus 320	HITECSYN SMP Plus 460	HITECSYN SMP Plus 680		
		HITECSYN SMP Series Synthetic Resisting Micropitting Industrial Gear Oils 150	HITECSYN SMP Series Synthetic Resisting Micropitting Industrial Gear Oils 220	HITECSYN SMP Series Synthetic Resisting Micropitting Industrial Gear Oils 320	HITECSYN SMP Series Synthetic Resisting Micropitting Industrial Gear Oils 460	HITECSYN SMP Series Synthetic Resisting Micropitting Industrial Gear Oils 680		
 Shanghai Kroneseder		Fully synthetic gear oil for Wind power 150WT	Fully synthetic gear oil for Wind power 220WT	Fully synthetic gear oil for Wind power 320WT	Fully synthetic gear oil for Wind power 460WT	Fully synthetic gear oil for Wind power 680WT		

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Poly-α-olefins. --- Poly-α-Olefine								
 Shanxi Lu'an Taihang Lubricant		Taihang Gear WT 150	Taihang Gear WT 220	Taihang Gear WT 320	Taihang Gear WT 460	Taihang Gear WT 680		
 Shell		Shell Omala S4 GXV 150	Shell Omala S4 GXV 220	Shell Omala S4 GXV 320	Shell Omala S4 GXV 460	Shell Omala S4 GXV 680		
				Shell Omala S5 Wind 320				
		Shell Omala S4 GXV Plus 150	Shell Omala S4 GXV Plus 220	Shell Omala S4 GXV Plus 320	Shell Omala S4 GXV Plus 460	Shell Omala S4 GXV Plus 680		
 SINOPEC		Great Wall AP-S 150	Great Wall AP-S 220	Great Wall AP-S 320	Great Wall AP-S 460	Great Wall AP-S 680		
		Great Wall 4408 HD 150	Great Wall 4408 HD 220	Great Wall 4408 HD 320	Great Wall 4408 HD 460	Great Wall 4408 HD 680		
		Great Wall WT Gearbox Oil 150	Great Wall WT Gearbox Oil 220	Great Wall WT Gearbox Oil 320				
 SK Lubricants Co.			ZIC Eco Wind Gear 220	ZIC Eco Wind Gear 320	ZIC Eco Wind Gear 460			
 Super Lubricity		SL-Wear 150WT	SL-Wear 220WT	SL-Wear 320WT	SL-Wear 460WT	SL-Wear 680WT		
 Suzhou Glory MileStone		GMS WIND SYN 150	GMS WIND SYN 220	GMS WIND SYN 320	GMS WIND SYN 460	GMS WIND SYN 680		
 Syneco			PACEMAKER RODI SINT 220 F					
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Poly-α-olefins. --- Poly-α-Olefine								
 Synnex Oil		SYN-GARD XHPS 150 Extra Industrial Gear Oil	SYN-GARD XHPS 220 Extra Industrial Gear Oil	SYN-GARD XHPS 320 Extra Industrial Gear Oil				
 Texaco		Texaco Meropa EliteSyn WL 150	Texaco Meropa EliteSyn WL 220	Texaco Meropa EliteSyn WL 320	Texaco Meropa EliteSyn WL 460	Texaco Meropa EliteSyn WL 680		
 TotalEnergies		CARTER SH 150	CARTER SH 220	CARTER SH 320	CARTER SH 460	CARTER SH 680		
 Monarch Tongyi Petroleum				TONGYI TERRICA WT 320				
		TONGYI TERRICA Micropitting Resistant Synthetic Gear Oil 150	TONGYI TERRICA Micropitting Resistant Synthetic Gear Oil 220	TONGYI TERRICA Micropitting Resistant Synthetic Gear Oil 320	TONGYI TERRICA Micropitting Resistant Synthetic Gear Oil 460	TONGYI TERRICA Micropitting Resistant Synthetic Gear Oil 680		
 TPI Oil		SYNGEAR PREMIUM 4000 Series Industrial Gear Oil 150	SYNGEAR PREMIUM 4000 Series Industrial Gear Oil 220	SYNGEAR PREMIUM 4000 Series Industrial Gear Oil 320	SYNGEAR PREMIUM 4000 Series Industrial Gear Oil 460	SYNGEAR PREMIUM 4000 Series Industrial Gear Oil 460		
 TUPO LUBRICANT CO.		TOP1 Micropitting Resistant Synthetic Heavy Duty Gear Oil 150	TOP1 Micropitting Resistant Synthetic Heavy Duty Gear Oil 220	TOP1 Micropitting Resistant Synthetic Heavy Duty Gear Oil 320	TOP1 Micropitting Resistant Synthetic Heavy Duty Gear Oil 460	TOP1 Micropitting Resistant Synthetic Heavy Duty Gear Oil 680		
 Quaker Houghton Verkol			QH QUANTOL GEAR 8220 MP	QH QUANTOL GEAR 8320 MP				

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 A CSW Industrials Company WHITMORE		DECATHLON™ F 150	DECATHLON™ F 220	DECATHLON™ F 320	DECATHLON™ F 460	DECATHLON™ F 680		
 JIN XUE CHI Xinjiang Jinxuechi				Synnosynth LY PAO 320				
 YINGKOU HILUBO			Synthetic Gear Oil for Wind Turbine 220	Synthetic Gear Oil for Wind Turbine 320	Synthetic Gear Oil for Wind Turbine 460	Synthetic Gear Oil for Wind Turbine 680		