

TYPES OF LUBRICANTS AS PER RECOMMENDATIONS BY SUPPLIERS THAT ARE THE RESPONSIBLES OF PRODUCT APPLICATIONS, QUALITY AND AFTERSALE CUSTOMER SERVICE

Please note the products will be on the list until December 2018; the listing is done for a limited period of 3 years. It can be extended for an additional 3 years by notifying us in writing that the fluid is still actively marketed.

Danieli code	0.597646.F	0.597647.G	0.597648.Q	0.597649.H	0.597650.P
Danieli type	2	3	4	5	5a
Designation DIN/ISO	CLP 150 /L-CKC 150	CLP 220 /L-CKC 220	CLP 320 /L-CKC 320	CLP 460 /L-CKC 460	CLP 680 /L-CKC 680
ACT					
AGIP	BLASIA 150 BLASIA FMP 150	BLASIA 220 BLASIA FMP 220	BLASIA 320 BLASIA FMP 320	BLASIA 460 BLASIA FMP 460	BLASIA 680 BLASIA FMP 680
AXEL CHRISTIERNSSON					
BECHEM	BECHEM STAROIL G 150 BERUGEAR GS 150 BM	BECHEM STAROIL G 220 BERUGEAR GS 220 BM	BECHEM STAROIL G 320 BERUGEAR GS 320 BM	BECHEM STAROIL G 460 BERUGEAR GS 460 BM	BECHEM STAROIL G 680 BERUGEAR GS 680 BM
BP					
CASTROL	ALPHA SP 150 ALPHASYN EP 150 (1)	ALPHA SP 220 ALPHASYN EP 220 (1)	ALPHA SP 320 ALPHASYN EP 320 (1)	ALPHA SP 460 ALPHASYN EP 460 (1)	ALPHA SP 680 ALPHASYN EP 680 (1)
CASTROL PERFORMANCE	OPTIGEAR BM 150 OPTIGEAR 1100/150 OPTIGEAR SYNTHETIC PD 150 (1)	OPTIGEAR BM 220 OPTIGEAR 1100/220 OPTIGEAR SYNTHETIC PD 220 (1)	OPTIGEAR BM 320 OPTIGEAR 1100/320 OPTIGEAR SYNTHETIC PD 320 (1)	OPTIGEAR BM 460 OPTIGEAR 1100/460 OPTIGEAR SYNTHETIC PD 460 (1)	OPTIGEAR BM 680 OPTIGEAR 1100/680 OPTIGEAR SYNTHETIC PD 680 (1)
CHEVRON (CHEVRON,CALTEX, TEXACO, TALCOR)	MEROPA 150 TALCOR GEAR OIL EP 150	MEROPA 220 MEROPA WM 220	MEROPA 320 MEROPA WM 320	MEROPA 460 MEROPA WM 460 TALCOR GEAR OIL EP 460	MEROPA 680
COGELSA	STANDARD VAREN EP 150 ULTRAGEAR EP 150	STANDARD VAREN EP 220 ULTRAGEAR EP 220	STANDARD VAREN EP 320 ULTRAGEAR EP 320	STANDARD VAREN EP 460 ULTRAGEAR EP 460	STANDARD VAREN EP 680 ULTRAGEAR EP 680
CONDAT					
DICA					
DOMUS CHEMICALS					
FOUNDRYCHEM					
FUCHS	RENOLIN CLP 150 RENOLIN UNISYN CLP 150 (1)	RENOLIN CLP 220 RENOLIN UNISYN CLP 220 (1)	RENOLIN CLP 320 RENOLIN UNISYN CLP 320 (1)	RENOLIN CLP 460 RENOLIN UNISYN CLP 460 (1)	RENOLIN CLP 680 RENOLIN UNISYN CLP 680 (1)
GAZPROMNEFT	REDUCTOR CLP 150	REDUCTOR CLP 220	REDUCTOR CLP 320	REDUCTOR CLP 460	REDUCTOR CLP 680
HOUGHTON					
KLUBER	KLUBEROIL GEM 1-150 N	KLUBEROIL GEM 1-220 N	KLUBEROIL GEM 1-320 N	KLUBEROIL GEM 1-460 N	KLUBEROIL GEM 1-680 N
LUBRA	DACTA EP 150	DACTA EP 220	DACTA EP 320	DACTA EP 460	DACTA EP 680
LUKOIL	STEELO 150	STEELO 220	STEELO 320	STEELO 460	STEELO 680
MEXICANA DE LUBRICANTES	ENGRANES COMPUESTOS 2A	ENGRANES COMPUESTOS 3A	ENGRANES COMPUESTOS 4A	ENGRANES COMPUESTOS 6A	ENGRANES COMPUESTOS 7A
MOBIL	MOBILGEAR 600 XP150 MOBIL SHC GEAR 150 (1)	MOBILGEAR 600 XP220 MOBIL SHC GEAR 220 (1)	MOBILGEAR 600 XP320 MOBIL SHC GEAR 320 (1)	MOBILGEAR 600 XP460 MOBIL SHC GEAR 460 (1)	MOBILGEAR 600 XP680 MOBIL SHC GEAR 680 (1)
PETROFER					
PETRONAS	4141 FL BAKU R 150 EP	4142 FL BAKU R 220 EP	4143 FL BAKU R 320 EP	4144 FL BAKU R 460 EP	4145 FL BAKU R 680 EP
Q8	GOYA 150	GOYA 220	GOYA 320	GOYA 460	GOYA 680
QUAKER					
ROLOIL	EP 150	EP 220	EP 320	EP 460	EP 680
SHELL	OMALA S2 G 150	OMALA S2 G 220	OMALA S2 G 320	OMALA S2 G 460	OMALA S2 G 680
TEBOIL	PRESSURE OIL 150	PRESSURE OIL 220	PRESSURE OIL 320	PRESSURE OIL 460	
TNK	REDUCTOR CLP 150	REDUCTOR CLP 220	REDUCTOR CLP 320	REDUCTOR CLP 460	REDUCTOR CLP 680
TOTAL	CARTER EP 150 CARTER XEP150	CARTER EP 220 CARTER XEP220	CARTER EP 320 CARTER XEP320	CARTER EP 460 CARTER XEP460	CARTER EP 680 CARTER XEP680
VISCOL	SIGNAL GREN OIL 150 SINTOFLUID EP 150 (1)	SIGNAL GREN OIL 220 SINTOFLUID EP 220 (1)	SIGNAL GREN OIL 320 SINTOFLUID EP 320 (1)	SIGNAL GREN OIL 460 SINTOFLUID EP 460 (1)	SIGNAL GREN OIL 680 SINTOFLUID EP 680 (1)

(1) syntetic oil PAO

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LIST OF PRODUCTS RELATED TO DANIELI STANDARD 0.000.001-R15

Rev. 16/06/2015

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Danieli code	0.597654.F	0.597655.G	0.597656.A	0.597657.B	0.597658.K
Danieli type	21	22	23	24	25
Designation DIN/ISO	ISO VG 100	ISO VG 220	ISO VG 320	ISO VG 460	ISO VG 680
ACT					
AGIP	ACER MP 100 ACER LD 100	ACER MP 220	ACER MP 320	ACER MP 460	ACER MP 680
AXEL CHRISTIERNSSON					
BECHEM	BECHEM OVITOL KT 100S	BECHEM OVITOL KT 220S	BECHEM OVITOL KT 320S	BECHEM OVITOL KT 460S	
BP					
CASTROL	MAGNA CT 100 WT MAGNA CT 88	MAGNA CT 220 WT MAGNA CT 220	MAGNA CT 320 WT MAGNA CT 320	MAGNA CT 460 WT MAGNA CT 460	MAGNA CT 680 WT MAGNA CT 680
CASTROL PERFORMANCE					
CHEVRON (CHEVRON,CALTEX, TEXACO, TALCOR)	HONOR ASHLESS AW 100	HONOR ASHLESS AW 220	HONOR AW 320	HONOR AW 460	
COGELSA					
CONDAT					
DICA					
DOMUS CHEMICALS					
FOUNDRYCHEM					
FUCHS	RENOLIN MORGEGEAR 100	RENOLIN MORGEGEAR 220	RENOLIN MORGEGEAR 320	RENOLIN MORGEGEAR 460	RENOLIN MORGEGEAR 680
GAZPROMNEFT	ROMIL 100	ROMIL 220	ROMIL 320	ROMIL 460	ROMIL 680
HOUGHTON					
KLUBER					
LUBRA					
LUKOIL					
MEXICANA DE LUBRICANTES					
MOBIL	VACUOLINE 525	VACUOLINE 533	VACUOLINE 537	VACUOLINE 546	VACUOLINE 548
PETROFER					
PETRONAS	4109 FL HIDROBAK 100	4111 FL HIDROBAK 220	4112 FL HIDROBAK 320	4113 FL HIDROBAK 460	4308 FL LP 680
Q8	VIVALDI M 100	VIVALDI M 220	VIVALDI M 320	VIVALDI M 460	
QUAKER					
ROLOIL					
SHELL	MORLINA S2 BA 100	MORLINA S2 BA 220	MORLINA S2 BA 320	MORLINA S2 BA 460	
TEBOIL					
TNK					
TOTAL	CORTIS MS 100	CORTIS MS 220	CORTIS MS 320	CORTIS MS 460	CORTIS MS 680
VISCOL	SIGNAL VLP 100	SIGNAL VLP 220	SIGNAL VLP 320	SIGNAL VLP 460	SIGNAL VLP 680

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Danieli code	0.597662.F	0.597663.G	0.597664.A	0.597665.B
Danieli type	50	51	52	53
Designation DIN/ISO	ISO VG 220	ISO VG 320	ISO VG 460	ISO VG 680
ACT				
AGIP				
AXEL CHRISTIERNSSON				
BP				
CASTROL				
CASTROL PERFORMANCE				
CHEVRON (CHEVRON,CALTEX, TEXACO, TALCOR)				
COGELSA				
CONDAT				
DICA				
DOMUS CHEMICALS				
FOUNDRYCHEM				
FUCHS				
GAZPROMNEFT				
HOUGHTON				
KLUBER				
LUBRA				
LUKOIL				
MEXICANA DE LUBRICANTES				
MOBIL	VACUOLINE 133	VACUOLINE 137	VACUOLINE 146	VACUOLINE 148
PETROFER				
PETRONAS				
Q8				
QUAKER				
ROLOIL				
SHELL	MORLINA S2 BA 220	MORLINA S2 BA 320	MORLINA S2 BA 460	MORLINA S2 BA 680
TEBOIL				
TNK				
TOTAL				
VISCOL				

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Danieli code	0.597659.L	0.597660.H	0.597661.E
Danieli type	33	34a	34b
Designation DIN/ISO	L-CKH-DIL	FS / L-B	FS / L-B
ACT			
AGIP	FIN 332/F	ACORUS SL32	
AXEL CHRISTIERNSSON			
BECHEM	BERULIT GA 800		
BP			
CASTROL	ALPHA OGL		
CASTROL PERFORMANCE	MOLUB-ALLOY 902 SF Light MOLUB-ALLOY OG 936 SF Heavy		
CHEVRON (CHEVRON,CALTEX, TEXACO, TALCOR)			
COGELSA			
CONDAT			
DICA		CASTING OIL 1400 CASTING OIL 1700	
DOMUS CHEMICALS			
FOUNDRYCHEM			
FUCHS	CEPLATTYN KG 10HMF 2500	METALGLIDE 68 SYNT (1)	RENOLIN CAST 110
GAZPROMNEFT			
HOUGHTON			
KLUBER	GRAFLOSCON SY20 ULTRA GRAFLOSCON C-SG 1000 ULTRA		
LUBRA			
LUKOIL			
MEXICANA DE LUBRICANTES			
MOBIL	MOBILGEAR OGL 007 (2)	MOBIL EAL HYDRAULIC OIL32 MOBIL EAL ENVIROSYN H32	MOBIL EAL HYDRAULIC OIL46 (3)
PETROFER			
PETRONAS			
Q8			HOLBEIN HP SE BIO 46
QUAKER		QUACAST N 1500	
ROLOIL		SYNTHEST HP 32 BIO	SYNTHEST HP 46 BIO
SHELL	GADUS S2 OGH		
TEBOIL			
TNK			
TOTAL	CARTER ENS/EP 700 CARTER ENS 400	IRONCAST SY 50 (4)	
VISCOL	SIGNAL CEP 380 SIGNAL CEP 380 HT	SIGNAL LINGOIL SINT 68 (1)	SIGNAL LINGOIL SINT HFP 68 (1)

(1) viscosity 68cSt@40°C

(2) not bituminous

(3) blend of mineral and vegetal oils

(4) viscosity 51cSt@40°C

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Danieli code	0.597666.C	0.597667.D	0.597668.M	0.597669.N	0.597670.L
Danieli type	10	11	35	36	37
Designation DIN/ISO	HLP 46 / L-HM 46	HLP 68 / L-HM 68	HFC 46 / L-HFC 46	HFD-U 46 / L-HFDU 46	HFD-U 68 / L-HFDU 68
ACT				ECOSAFE FR-46 (a) (b)	ECOSAFE FR-68 (a) (b)
AGIP	OSO S 46 (1) OSO 46 ARNICA 46	OSO 68 ARNICA 68	ARNICA 104/FR (a)	ARNICA S FR 46 (a) (b)	ARNICA S FR 68 (a) (b)
AXEL CHRISTIERNSSON					
BECHEM	BECHEM STAROIL NR 46	BECHEM STAROIL NR 68	BECHEM HYDROSTAR HY 46	BECHEM HYDROSTAR HEP 46	BECHEM HYDROSTAR TE 68 S
BP					
CASTROL	HYSPIN AWS 46 HYSPIN ZZ 46	HYSPIN AWS 68 HYSPIN ZZ 68	ANVOL WG 46 (a) (b)	ANVOL SWX 46 (b)	ANVOL SWX P 68 (a) (b) ANVOL SWX 68 (b)
CASTROL PERFORMANCE	TRIBOL 943 HM 46	TRIBOL 943 HM 68			
CHEVRON (CHEVRON,CALTEX, TEXACO, TALCOR)	RANDO HD 46 RANDO EP ASHLESS 46 (1)	RANDO HD 68	GLYTEX HFC 46 (7)	SYNSTAR HFDU 46 (7)	
COGELSA	PRESOL HM 46 ULTRA MF 46	PRESOL HM 68 ULTRA MF 68	PRESOL HFC 40		
CONDAT			CONDAT GUARD C 46 (a)	CONDAT D 46 (b)	CONDAT D 68 (b)
DICA					
DOMUS CHEMICALS				FLUIDO 46 FR (a) (b) FLUIDO 46 FR D (a) (b)	FLUIDO 68 FR (a) (b) FLUIDO 68 FR D (a) (b)
FOUNDRYCHEM			ECOSAFE PLUS 46 (b)		
FUCHS	RENOLIN B 15 RENOLIN MW B 46 (1)	RENOLIN B 20 RENOLIN MW B 68 (1)	HYDROTERM 46 M (a)	PLANTOFLUX-AT 46 S (a) (b)	PLANTOFLUX-AT 68 S (a) (b)
GAZPROMNEFT	HYDRAULIC HLP 46	HYDRAULIC HLP 68			
HOUGHTON			HOUGHTON SAFE 620 (a) (b) HOUGHTON SAFE 419R (a) (b) (6)	COSMOLUBRIC HF 122	COSMOLUBRIC HF 130
KLUBER	LAMORA HLP 46	LAMORA HLP 68		SUMMIT FR 46	SUMMIT FR 68
LUBRA			CORSAFE 2000 (a)	OLEOSAFE 46 (a)	OLEOSAFE 68 (a)
LUKOIL	GEYSER ST 46	GEYSER ST 68			
MEXICANA DE LUBRICANTES	HIDRAULICO MH-220	HIDRAULICO MH-300			
MOBIL	DTE 25 DTE 10 Excel 46 (1)	DTE 26 DTE 10 Excel 68 (1)	HYDROFLUID HFC 46 (b) NYVAC FR 200 D (b) HYDROFLUID LT (b) PYROTEC HFC 46 (a) (b)	PYROTEC HFD 46 (b)	
PETROFER			ULTRASAFE 620 (a)	ENVOLUBRIC HE 46 (a)	ENVOLUBRIC HE 68
PETRONAS	4106 FL HIDROBAK 46 Q8 HAYDN 46	4107 FL HIDROBAK 68 HAYDN 68	4127 FL HIDROBAK HFC	4126 FL HIDROBAK FR 46 HOLBEIN 46	FL HIDROBAK FR 68
QUAKER			QUINTOLUBRIC 702 (a)	QUINTOLUBRIC 888-46 (a) (b) QUINTOLUBRIC 865-46 (b)	QUINTOLUBRIC 888-68 (a) (b) QUINTOLUBRIC 865-68 (b)
ROLOIL	LI 46 XF	LI 68 XF	HYDROGLIX 46	ESTIN 46 S	ESTIN 68 S
SHELL	TELLUS S3 M 46 TELLUS S2 M 46	TELLUS S3 M 68 TELLUS S2 M 68	IRUS FLUID - NA (a) (b) IRUS FLUID C (a)	IRUS FLUID DU 46 (a)	IRUS FLUID DU 68 (a)
TEBOIL	LARITA OIL 46	LARITA OIL 68			
TNK	HYDRAULIC HLP 46 HYDRAULIC ZF 46 (2)	HYDRAULIC HLP 68 HYDRAULIC ZF 68 (2)			
TOTAL	AZOLLA ZS 46 AZOLLA AF 46 (1) (2)	AZOLLA ZS 68 AZOLLA AF 68 (1) (2)	HYDRANSAFE HFC 146 (a)	HYDRANSAFE HFDU 46 (b)	HYDRANSAFE HFDU 68 (b)
VISCOL	SIGNAL CO 46 SIGNAL CO AL 46 (1)	SIGNAL CO 68 SIGNAL CO AL 68 (1)	SIGNAL VISCOFLUID AG (a)	SIGNAL IDROFLUX S 46 (a)	SIGNAL IDROFLUX S 68 (a)

(1) AW Ashless
(2) zinc free
(3) only for Italian market

(4) Brasil
(5) Asia
(6) only for USA market

(7) available in EU

(a) conform to ISO 12922 (old 7° Luxembourg Report)
(b) conform to Factory Mutual Approval Standard 6930

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Danieli code	0.597651.C	0.597652.D	0.597653.E
Danieli type	13	18	20
Designation DIN/ISO	D 22 / L-PBB 22	C 32 / L-AN 32	J 10 / L-NTUO
ACT			
AGIP	ARNICA 22 CODIUM LS 22	RADULA 32	ITE 600 ITE 600X
AXEL CHRISTIERNSSON			
BECHEM		BECHEM HYDROSTAR 32 D	BECHEM TRANSFORMATORÓL T 10
BP			
CASTROL	HYSPIN AWS 22	MAGNA 32 HYSPIN VG 32	Perfecto TR UN Perfecto TR IN
CASTROL PERFORMANCE	TRIBOL 943 HM 22 TRIBOL CM ATO 100		
CHEVRON (CHEVRON,CALTEX, TEXACO, TALCOR)	RANDO HD 22	OMNIS 32 (4) CANOPUS 32	TRANSFORMER OIL INHIBITED TRANSFORMER OIL UNINHIBITED (4) TRANSFORMER OIL (TYPE I) (2) TRANSFORMER OIL BSI UNINHIBITED TRANSFORMER OIL BSI INHIBITED (3)
COGELSA	NEBULOIL 2	FARMOL 33	
CONDAT			
DICA			
DOMUS CHEMICALS			
FOUNDRYCHEM			
FUCHS	RENOLIN MR 5	RENOLIN DTA 32	RENOLIN E10
GAZPROMNEFT	HYDRAULIC HLP 22	CIRCULATING 32	
HOUGHTON			
KLUBER	AIRPRESS 32	LAMORA HLP 32	
LUBRA			
LUKOIL			
MEXICANA DE LUBRICANTES			
MOBIL	VELOCITE OIL N° 10	MOBILTHERM 605	MOBILECT 39
PETROFER			
PETRONAS	4114 FL HIDROBAK 22 HV	4296 FL LP 32	4329 FL DPH 302 CE 2/I
Q8	HAYDN 22	CT 32	MICHELANGELO A
QUAKER			
ROLOIL	LI 22	TMP 324	LP-T
SHELL	TELLUS S2 M 22	MORLINA S2 B 32	DIALA S2 ZU-I
TEBOIL		TERMO OIL 32	
TNK			
TOTAL	AZOLLA ZS 22	CIRKAN C 32	ISOVOLTINE II
VISCOL	SIGNAL VLP 22	SIGNAL NU 32	SIGNAL TRASFORM B

(2) Brasil
(3) Asia
(4) Europe

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Danieli code	0.597675.D	0.597676.E	0.597677.F	0.597672.A	0.597671.G
Danieli type	1	2	3	4a	4
Designation DIN/ISO	KP0K-20 / L-XBCEB0	KP1K-20 / L-XBCEB1	KP2K-20 / L-XBCEB2	K2K-20 / L-XBCEA2	K1K-20 / L-XBCEA1
ACT					
AGIP	GREASE MU EP 0 GREASE LP 0	GREASE MU EP 1 GREASE LP 1	GREASE MU EP 2 GREASE LP 2	GREASE MU 2	GREASE MU 1
AXEL CHRISTIERNSSON	ACINOL 150 EP (2)	ACINOL 151 EP (2)	ACINOL 152 EP (2)	ACINOL 142 (2)	ACINOL 141 (2) ALASSCA 162 G9 (2)
BECHEM	BECHEM HIGH-LUB LT 0 EP	BECHEM HIGH-LUB LT 1 EP	BECHEM HIGH-LUB LT 2 EP BECHEM HIGH-LUB FA 67-400 KS	BECHEM HIGH-LUB L 2	BECHEM HIGH-LUB L 1 EP
BP					
CASTROL	SPHEEROL EPL 0	SPHEEROL EPL 1 SPHEEROL 460-1	SPHEEROL EPL 2 SPHEEROL 460-2	SPHEEROL AP2	
CASTROL PERFORMANCE	TRIBOL GR 100-0 PD	TRIBOL GR 100-1 PD TRIBOL GR 4020/460-1 PD MOLUB-ALLOY 6040/460-1 1/2	TRIBOL GR 100-2 PD TRIBOL GR 4020/460-2 PD MOLUB-ALLOY 6040/460-1 1/2		
CHEVRON (CHEVRON,CALTEX, TEXACO, TALCOR)	MULTIFAK EP 0	MULTIFAK EP 1 GREASE LTS 1 TALCOR SUPER HD #1-M5	MULTIFAK EP 2 GREASE LTS 2 TALCOR SUPER HD #2-M5	MULTIFAK MP2 MARFAK MP2 MULTIFAK 142	MULTIFAK EP1 GREASE LTS1
COGELSA	LITKEN HD-0 ULTRAPLEX CS-0	LITKEN HD-1 ULTRAPLEX CS-1	LITKEN HD-1 ULTRAPLEX CS-1	LITKEN R2	LITKEN R1
CONDAT	KALITH EP0	KALITH EP1	KALITH EP2		
DICA					
DOMUS CHEMICALS					
FOUNDRYCHEM					
FUCHS	RENOLIT EP 0	RENOLIT EP 1	RENOLIT EP 2	RENOLIT GP 2	RENOLIT GP 1
GAZPROMNEFT	GREASE L EP 0	GREASE L EP 1	GREASE L EP 2	GREASE L2	GREASE L1
HOUGHTON					
KLUBER	MICROLUBE GB0	MICROLUBE GL 261	CENTOPLEX 2 EP	CENTOPLEX 2	
LUBRA					
LUKOIL					
MEXICANA DE LUBRICANTES		LITIO EP 1	LITIO EP 2	MULTILITIO 2	
MOBIL	MOBILUX EP 0	MOBILUX EP 1 MOBILGREASE XHP 461 MOBILTH SHC (4)	MOBILUX EP 2 MOBIL SHC Polyrex 462 (4) MOBILGREASE XHP 222	MOBILUX EP 2 (3)	MOBILUX EP 1 (3)
PETROFER					
PETRONAS	3977 FL JOTA IND EP 0	3978 FL JOTA IND EP 1	3924 FL JOTA IND EP 2	4174 FL JOTA IND 2	4173 FL JOTA IND 1
Q8	REMBRANDT EP 0	REMBRANDT EP 1	REMBRANDT EP 2	REMBRANDT 2	REMBRANDT 1
QUAKER		L 2201-EP	L 2202-EP		
ROLOIL	LITEX EP 0	LITEX EP 1	LITEX EP 2	MERCURY 2	MERCURY 1
SHELL	GADUS S2 V220 0 GADUS S2 V220 AC 0	GADUS S2 V220 1 GADUS S2 V220 AC 1	GADUS S2 V220 2 GADUS S2 V220 AC 2	GADUS S2 V100 2	GADUS S2 V100 1
TEBOIL	MULTIPURPOSE EP 0		MULTIPURPOSE EP	MULTIPURPOSE GREASE	
TNK					
TOTAL	CERAN CA	MULTIS EP 1 CERAN XM 220 CERAN HV	MULTIS EP 2 CERAN XM 220 CERAN HVA	MULTIS 2 MULTISCOMPLEX S2A	
VISCOL	SIGNAL GREN AW EP 0 SIGNAL CALPLEX 0 (3)	SIGNAL GREN AW EP 1 SIGNAL GREN AW SPECIAL 1 SIGNAL ST 150 SPECIAL (3) SIGNAL CALPLEX 1 (3)	SIGNAL GREN AW EP 2 SIGNAL GREN AW SPECIAL 2 SIGNAL ST 220 SPECIAL (3) SIGNAL CALPLEX 2 (3)	SIGNAL GREN AW 2	SIGNAL GREN AW 1

(1) only for USA market

(2) for rebranding only

(3) with passive extreme pressure additives

(4) synthetic PAO

(5) polyurea

(6) Europe

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LIST OF PRODUCTS RELATED TO DANIEMI STANDARD 0.000.001-R15

Rev. 16/06/2015

TYPES OF LUBRICANTS AS PER RECOMMENDATIONS BY SUPPLIERS THAT ARE THE RESPONSIBLES OF PRODUCT APPLICATIONS, QUALITY AND AFTERSALE CUSTOMER SERVICE

Please note the products will be on the list until December 2018; the listing is done for a limited period of 3 years. It can be extended for an additional 3 years by notifying us in writing that the fluid is still actively marketed.

Daniemi code	0.597679.Q	0.597678.P	0.597680.E	0.597681.T
Daniemi type	6a	6	8	9
Designation DIN/ISO	KP2R-20 / L-XBFEB2	KP1R-20 / L-XBFEB1	OGPF2M-20 / L-XBCHB2	GPPG00K-20 / L-XBCEB00
ACT				
AGIP	GREASE LC 2 GREASE AC 2	GREASE LC 1 GREASE AC 1	GREASE SM 2	GREASE SLL 00
AXEL CHRISTIERNSSON	AXELLENC 152 EP (2) AXELLENC 262 EPHT (2)	AXELLENC 151 EP (2)	ALASSCA 162 G9 (2)	
BECEM	BERUTOX M 21 KN BERUTOX MB 2-H	BERUTOX MBSA-H BECEM CERITOL PSA 12 H	BERULIT 443 BERULIT GA 2500-2	BERULUB FG 8 EP
BP				
CASTROL	SPHEEROL EPLX 200-2			SPHEEROL SY 4601
CASTROL PERFORMANCE		TRIBOL GR 4541 HT	MOLUB-ALLOY OG 936 SF HEAVY	
CHEVRON (CHEVRON,CALTEX, TEXACO, TALCOR)	HIGH TEMP PREMIUM 2 (6) STARPLEX EP2	ULTI-PLEX SYNTHETIC GREASE EP STARPLEX HT1 STARPLEX PREMIUM 1 HIGH TEMP PREMIUM 2 (6)	TALCOR OGP-5 #1 / SR1	
COGELSA	ULTRAPLEX ALMA-2	ULTRAPLEX ALMA-1	ULTRAPLEX ALEA 0	
CONDAT			PULSTAR 0 Gmo	REDUSYNTH GREASE
DICA				
DOMUS CHEMICALS				
FOUNDRYCHEM				
FUCHS	RENOLIT PU FH 300	RENOLIT PU FH 300	RENOLIT FLM2	RENOLIT LST 00
GAZPROMNEFT		SUPERGREASE CX1		
HOUGHTON				
KLUBER	STABUTHERM GH 462	STABUTHERM GH 461	KLUBERLUB BE 41-1501	KLUBERSYNTH GE 46-1200
LUBRA				
LUKOIL				
MEXICANA DE LUBRICANTES	LITHIUMPLEX XP 2			
MOBIL	MOBILGREASE XHP 222 MOBILITH SHC POLYREX 222 UNIREX N2	MOBILGREASE XHP 461 MOBILITH AW1	MOBILGEAR OGL 461	MOBIL SHC POLYREX 005 (5)
PETROFER				
PETRONAS				4349 FL JOTA IND/LC
Q8	RUBENS HT2	RUBENS HT1	REMBRANDT MOLY 2	
QUAKER	LXS 4602-EP UX 4602-EP	LXS 4601-EP UX 4601-EP		
ROLOIL	ALCOPLEX 2	ALCOPLEX 1	ISOMOV MS2	
SHELL	GADUS S3 T460	GADUS S3 T460	GADUS S2 OGH	GADUS S5 V142W 00
TEBOIL	MULTIPURPOSE HT			
TNK				
TOTAL	6 CERAN WR2	6a CERAN WR1	COPAL OGL2	MARSON SY 00
VISCOL	SIGNAL LITHIUM HDP 2 SIGNAL CALPLEX2 SIGNAL G SIL2 SIGNAL POLYTEMP2 SIGNAL ALCOMP EP2 SIGNAL ST 150 SPECIAL	SIGNAL LITHIUM HDP 1 SIGNAL CALPLEX1 SIGNAL G SIL1 SIGNAL POLYTEMP1 SIGNAL ALCOMP EP1 SIGNAL ST 150 SPECIAL	MOLYVIS GLA SPECIAL 2 SIGNAL CEP380 SIGNAL CEP380HT	SIGNAL CARTER GREASE PAG 400

- (1) only for USA market
- (2) for rebranding only
- (3) with passive extreme pressure additives
- (4) synthetic PAO
- (5) polyurea
- (6) Europe

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LIST OF PRODUCTS RELATED TO DANIELI STANDARD 0.000.001-R15

Rev. 16/06/2015

TYPES OF LUBRICANTS AS PER RECOMMENDATIONS BY SUPPLIERS THAT ARE THE RESPONSIBLES OF PRODUCT APPLICATIONS, QUALITY AND AFTERSALE CUSTOMER SERVICE

Please note the products will be on the list until December 2018; the listing is done for a limited period of 3 years. It can be extended for an additional 3 years by notifying us in writing that the fluid is still actively marketed.

Danieli code	0.597673.B	0.597683.V	0.597682.R	0.597684.W	0.597674.C
Danieli type	21	22	26	29	30
Designation DIN/ISO	KHC2S-20 / L-XBGEA2		KPF2K-20 / L-XBCEB2		K1K-30 / L-XCCEA1
ACT					
AGIP	GREASE LCX 1,5/460 GREASE LCX 2/220 GREASE PHT	ROCOL J 166	AGIP GREASE LC 2	ROCOL MT-LM	GREASE LCX 2/32 (7)
AXEL CHRISTIERNSSON	AXELLENC 662 HT (5)	ACINOL 1415 ASC (5)	CALIAC 162 EPWRM3 (5) ALASSCA 162 G9 (5)		ACINOL 141 (5)
BECHEM	BERUTOX FH 26 KN BERUTOX FH 28 EPK 2	BERULUB VPN 13	BECHEM HIGH-LUB FA 50 MO BECHEM HIGH-LUB KLF 2 K	BERULUB PASTE PT 2	BECHEM HIGH-LUB L 1 EP
BP					
CASTROL	SPHEEROL SY 2202		SPHEEROL EPLX 460-2		
CASTROL PERFORMANCE	TRIBOL GR 4747/220-2 HT	MOLUB-ALLOY PASTE HT	MOLUB-ALLOY 860/460-2 ES MOLUB-ALLOY 777-2 ES MOLUB-ALLOY 4086/460-2 MOLUB-ALLOY 6080/460-1.5	MOLUB-ALLOY PASTE PL MOLUB-ALLY PASTE WHITE T	TRIBOL GR 4541 HT
CHEVRON (CHEVRON,CALTEX, TEXACO, TALCOR)	ULTIPLEX SYNTETIC GREASE EP HIGH TEMP PREMIUM 2 (4)	COPPER GREASE 9143 (4)	TALCOR SUPER HD #1-M5 MOLYTEX EP 2 CHEVRON ULTRA-DUTY GREASE EP 2 (AP)	COPPER GREASE 9143 (4)	BLACK PEARL GREASE EP1 (1) MULTIFAK EP1
COGELSA	ULTRAPLEX XT-2 SYNT		ULTRAPLEX AC-2 ULTRAPLEX CS-2	LITKEN BLANC 2	ULTRAPLEX XT-1 SYNT
CONDAT			AKRON Xmo		
DICA					
DOMUS CHEMICALS					
FOUNDRYCHEM					
FUCHS	RENOLIT HI-TEMP 220	RENOLIT CU	RENOLIT LX-EP2 RENOLIT FAP 502	RENOLIT W/GS20	RENOLIT GP1
GAZPROMNEFT			GREASE L MOLY EP 2		GREASE L1
HOUGHTON					
KLUBER	KLUBERSYNTH HB 74-401	WOLFRACOAT C	KLUBERLUB BE 41-542	ALTEMP Q NB 50	KLUBERSYNTH HB 74-401
LUBRA					
LUKOIL					
MEXICANA DE LUBRICANTES					
MOBIL	MOBILITH SHC PM MOBIL SHC Polyrex 462		MOBILGREASE XHP322 SPECIAL MOBIL SHC Polyrex 462		MOBILITH SHC 221
PETROFER					
PETRONAS		5284 FL GRATORN CUGRAF	3974 FL JOTA SC 2	3972 FL JOTA BENT 2	
Q8			REMBRANDT MOLY 2		
QUAKER	LXS 2202-EP (8)		L 2202-EPM		
ROLOIL	LITEX HT 220 SYNT		ISOMOV MS 2	COPPER GREASE	
SHELL	GADUS S5 T460 1.5		GADUS S2 V220 AD 2		GADUS S2 V100 1
TEBOIL					
TNK					
TOTAL	MULTIS COMPLEX SHD 220 MULTIS COMPLEX SHD 460	SPECIS CU	CERAN HVA	CERAN ST2 COPAL OGL2	
VISCOL	SIGNAL SUPERSINT GREASE HT 220-2 SIGNAL CALOR 280-2 (2) SIGNAL CALPLEX 2 (2) SIGNAL POLYTEMP2 (2) SIGNAL ST 150 SPECIAL (2)	SIGNAL CUPRUM SIL SIGNAL CEP 36 EXTRA	SIGNAL MOLYVIS GLA SPECIAL 2 SIGNAL CALOR 280-2 SIGNAL CALPLEX 1000-2 SIGNAL CALPLEX 2 SIGNAL ADEL 1000	SIGNAL MOLYPAST V SIGNAL CEP 30 HT	SIGNAL SINTGREASE A151 SIGNAL SUPERSINTGREASE HT 220-1 (7) SIGNAL CALPLEX LT (6)

(1) only for USA market

(2) mineral oil based

(3) temperature limit 200 °C

(4) Europe

(5) for rebranding only

(6) NLGI 2

(7) PAO

(8) FE9 above 160°C

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