

Lubrication Technologies, Inc.

Synthetic Lubricant Cross Reference Chart Series

Synthetic Refrigeration Compressor Lubricants

	Series Name	ISO 10	ISO 15	ISO 22	ISO 32	ISO 46	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	Remarks	
Acculube	ARL12 Series				32		68						AB	
	ARL Series				100	150	200	300 (85 cSt at 40C)					PAO, H1 Food Grade	
	ALA Series				32	46	68	100					PAO/AB	
	ALGI Series						68	100	150				Insoluble PAG	
	ALR-134a Series				32	46	68	100					for R-134a	
Addinol (Germany)	Refrigerator Oil XKS					46	68	100						
Agean Marine (Greece)	Alfaref S 68						(68)						AB	
	Alfaref R 68						(68)						POE	
Agip (Italy)	SINTFLUID P													
Aluchem (Italy)	Alusynt CF-P				32	46	68	100	150					
Amalie	Synthetic Refrigerator/Compressor Oil				32	46	68	100					PAO	
American Synthol	Amerilube RA5				32	46	68	100					POE for R-134a	
	Amerilube RA5D							(100)					has ultra violet dye	
	Amerilube RB5 series				32	46	68	100	150				POE	
	Amerilube ABR series				32		68	100					for CFC, HCFC	
Apollo America	renamed Idemitsu Lubricants America, see next page													
BP Marine	Enersyn LPS						46	68	100				AB	
	Enersyn LPS-PO										220		PAO	
	Enersyn MP-S				32	46	68	100	170		220		POE	
BVA	RPAG					46	68	100	125	150			PAG for auto. A/C	
	ALKYL Series				150	200ca	300	500					AB for CFC& HCFC	
	SHP-46	10	15	22	32	46	68	100	150	220	320	460	PAO	
	PGNS-16				32	46	68	100	150	220	320	460	PAG Hydrocarbon	
	RPOE	10	15	22	32	46	68	100	150	220	320		POE	
	PRO CAP PAG					46		100	150				PAG, Automotive	
	PRO GLO					46		100	150				PAG w/UV dye, auto	
	Solest*				LT-32	46	68	120	170		370		POE	
					32TC, 32LC, 31HE			(all ISO 32)						POE
		Solest* EP series												POE with EP
	Solest* NA series												POE with no additive	
Camco	4619-						68						PAO	
	Solest *				LT-32		68	120	150	220			POE	
	Alkyl				150		300	500					AB	
	PAG-16 (formerly 1516)				32	46							PAG for Propane, HC	
Castrol	Premium Ester Lubricant												POE	
	PAG-					46		100	150				PAG	
Chem-Verse (India)	Synol						RL-68						Ester	
Chevron (Marine)	Capella HFC						55 (55 cSt)						POE	

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CITGO	Clarion Synthetic Refrigeration Fluid						68						PAO, H1
	Proeco AB				32		68						AB
	Proeco S	105	155	225	325	465	685						POE
	Proeco	10M	15M	22M	32M	46M	68M	100C	170C	220C			POE
	Breox RFL-X		16-X	22-X	32-X	46-X	68-X	100-X	150-X				PAG, auto a/c,R-134a
Conoco	Breox MAC					46		100	150				PAG, auto a/c,R-134a
	Syncon Refrigeration Oil						68						PAO
CPC (Taiwan)	Ozone Friendly Refrigeration Oil 68												POE
CPI	CP-4600	(ISO Grades 5 to 1000+)											
	CP-1516							100	150	220			PAO, for CFC
	CP-4214							100	150	220	320		PAG, for CFC
	RPAG					46		100	150				Ester, for CFC
	Solest*				LT-32	46	68	120	150	220	370		for R-134a
Dow	UCON Refrigeration Lubricant						488 (52 cSt at 40C), 993 (61 cSt at 40C)						PAG
	UCON Refrigeration Lubricant							244	897 (132 cSt at 40C)				PAG
	UCON Refrigeration Lubricant						FBC1 (80 cSt at 40C)						PAG
	UCON Universal Refrigeration Lubricant						100 (62 cSt at 40C)						PAG
ENOC (UAE)	Cryogen PE					46	68						POE
Exxon	Zero-Pol S					----	68	----	----	220	----		PAO, no longer mrkt
Frick					6		2A, 7						AB
							11	4					PAO
							13						POE
FS Elliott	Corona Turbo Ice (viscosity unknown)												
Fuchs (Germany)	Reniso S/SP				32	46	68	100	150	220			AB
	Reniso Triton SE/SEZ												Ester
	Reniso Synth 68						(68)						PAO
	Reniso PG 68						(68)						PAG
	Reniso PAG					46		100					PAG, auto, R-134a
	Reniso C series												for use w/natural CO2
	Refrig. Oil Low Temp						(68)						AB
Fuel & Marine Mktg.	Eskimo PE				32	46	68	100					for R-134a
Gulf Oil Int'l (India)	Eskimo AB				32	46	68	100					AB
(Behr) Hella	Behr Hella PAO-Oil 68 Plus UV						(68)						PAO
Idemitsu Lubr. America	Daphne Hermetic PAG						PS, FD46XG	PR	G25X				PAG
	Daphne Oil CF		15	22	32	46	56	100					PAG
Idemitsu Kosan (Japan)	Daphne Hermetic PAG						PS, FD46XG	PR	G25X				PAG
Igol (France)	Syfrigo												
Interlube	Synthetic Refrigeration Oil				150		300						
JAX/Behnke	Syntec						68						
KAL & C (Korea)	KAL-Superlube			R22	R32	R46							PAO
	see Total												
Lubricants USA	AB Refrigeration				32		68	100					AB, no longer market
	Synolan LP Refrigeration Oil						(68)						no longer market
	Polyglycol 150								(150)				PAG, no longer market
LUBRIPLATE	RCO						68-FG						NSF H-1 Food Grade
Magna (Hong Kong)	Omega 615					46		100					PAO
Maxol (Ireland)	Refridge S				32	46	68	100					AB

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Mobil	EAL Arctic		15	22	32	46	68	100	-----				POE
	Gargoyle Arctic SHC 200 series				224		226	228		230	234 (400 cSt)		PAO
	Gargoyle Arctic SHC 400 series					-----	426	427	-----				AB
	Zerice S		15		32	46	68	100	-----				AB
Morris (UK)	Arcato AC					46							PAG
Nippon Oil (Japan)	Ze-GLES RB series												POE
	Ze-GLES WR series												Ester for R-134a
Nyco	Nycolube			7020	7030	7040	7050	7060	7070	7080			POE
Oberon	F226												
Oleon	Radialube RL		7320	7321	7322	7323	7324	7325					POE
OptiDyn	OPREF				XLT	LT	68						
Pacific Fluids LLC	SynCool AB				32		68						AB
PDVSA (Venezuela)	Frilub Sintetico												AB/PAO
Performance Filters (PFI)					R-32		R-68						for CFC, HCFC
	SL-R717AC-68						(68)						for Ammonia
	RB5-				32	46	68	100	150	220	320		POE
Petro-Canada	Reflo Synthetic 68A						(68)						PAO
Petronas (Malaysia)	Pressol Syn RA				32	46	68	100					AB
	Pressol Syn RH					46	68	100	150				for R-134a
Petronomics	PAO Refrigeration Oil			-----	51330	51332	51334	51336	51338	51340			PAO
	POE Refrigeration Oil			-----	53022	53024	53026	53028	53039				POE
	Alkylbenzene Refrigeration Oil								53040				AB
	PAO Screw Ammonia Comp. Oil						54046	54048					PAO
	POE Refrigeration Oil							55174	55176	55178			POE
	Silicone Gas Comp. Refrigeration Oil				56560	56562	56564	56566	56568	56570	56572		SI
	PAO/Dialkybenzene Ref. Oil				56620	56622	56624	56626					PAO/AB
Phillips	Syncon Refrigeration Oil						68						PAO
Raloy (Mexico)	Uni Temp												
Ravenol (Germany)	Kaltenmeschinenol S					46	68	100					AB
	Kaltenmeschinenol POE						46	68	100				POE
	Kaltenmeschinenol PAO				32		68	100		220			PAO
	Kaltenmeschinenol PAG					46	68	100					PAG
Royal Lubricants	Royco			-----	2032	2046	2068	2100	2150	-----			AB
	Royco	2210	-----	2222	2232	2246	2268	2200	-----				POE
Royal Purple	Uni-Temp			-----	150	-----	300	500	-----				
RTI	Auto 1000												POE/PAO
Schaeffer	158RF				32	46	68	100					PAO
Sentinel	SCO REF				32	46	68	100	150	220			PAO
Sentinel Canada	SenSyn RCF9												PAG
Shrieve Chemical / Nu-Calgon	Zerol				150	200TD	300						AB
	Zerol Ester												POE
Sinopec (China)	Great Wall 4521				32	46	68						PAO, for CFC, HCFC
	Great Wall 4523				N32	N46	N68	N100					AB
SLFi	SL-R717AC-RB5-						XLT	68					
					32	46	68	100	150	220	320		POE
Statoil (Norway)	FridgeWay S					46	68	100					AB
(Japan) Sun Oil	Suniso	SL-10S	SL-15S	SL-22S	SL-32S								POE
Sunoco Belgium	Suniso SL			22	32	46	68	100					POE
	Sunice							PB 100					PAG, auto, R-134a

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Sunoco UK	Sunice							PB 100					PAG
Summit (Kluber N.A.)				-----	R-100	R-150	R-200	R-300	-----	R-500	-----	R-600	PAO, Kosher
Summit				-----	RAB 32	----	RAB 68	----					AB
				-----	RPA 32	RPA 46	RPA 68	RPA 100	-----				PAO/AB
				-----	RPE 32	RPE 46	RPE 68	RPE 100	-----				POE
						RPS 52	PGI 68	PGI 100	PGI 150				PAG
								RPS 100					PAG
Texaco	Capella AB				150		300	----					AB, obsolete
	Capella HFC	-----	22		32, 32 NA**		68, 68 NA** Auto	-----		220 NA**	-----		POE, obsolete
	Capella HFC Auto						(100)						POE, obsolete
	Capella PPG					-----	68	100	150	-----			PPG, obsolete
Total	HFC Refrigeration				32		68						POE
	Planetelf ACD		22		32		68		150				POE, for HFC
	Lunaria SH					46	68						PAO
	Lunaria SK					55		100	150				AB
	Lunaria EFL					46	68	100					PAG
	Refrigeration 3												Hydrocarbon
Tribology Tech-Lube	Iceol		22	32	46	68	100						POE
TSI, Inc. (Tire Seal)	Supercool PAG				46		100		150				PAG
	Supercool PAG				46D		100D	150D					PAG, with dye
Ultrachem	Ultra-Ice				46		100	150					PAG, Automotive
Veloil (Thailand)	Indpro Polar				46		68	100					AB
Vilter							HCL 68						PAO
							B 68	B 120					POE
Yale Selco (India)	Selco SF-300				32	46	68	100					PAO
	Selco SF-590	10		23	46								POE, for HFC,R-134a
76 Lubricants	Syncon Refrigeration Oil						68						PAO

* Solest is a registered trademark of CPI

** Contains no AW

Notes, disclaimer, and copyright:

1. The intention of this study was to list only finished synthetic lubricants made from Group IV or Group V base oils; a few of the above, unknown to our knowledge, may possibly contain Group III base oils.
2. All the above lubricants are full synthetic; non are para-synthetic or semi-synthetic.
3. A few of the above listed lubricants may no longer be marketed, but were intentionally listed so that the user of these charts could determine a suitable replacement for a recently obsolete lubricant.
4. This chart is only intended as a list of similar synthetic lubricants. Lubrication Technologies, Inc does not intend to represent that all the lubricants listed herein are necessarily of the same quality or offer the same level of performance in all instances. Quality and performance can vary.
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