

Santech. Refrigerant Oils, Charts & Accessories

Leading Through Technology™

Refrigerant Oils



Double End Cap
w/o UV Dye

Ester
w/o UV Dye



Hybrid
Lubricant



Mineral
w/o UV Dye



Single End Cap
w/o UV Dye

Single End Cap
w/ UV Dye



Oil & Dye Injectors



R134a & R12



R134a & R12



R134a



R134a



R12

Compressor Oil Viscosity Chart

Viscosity	Delco	Delphi	OEM	Mfg PN	Color	Santech			Comments
						Single End Cap w/o Dye	Single End Cap w/ Dye	Double End Cap w/o Dye	
PAG 46	10-5040	RL10007	89022191	RL244	Yellow	MT3040	MT3050	MT3012	Dow Chemical - Union Carbide RL244
PAG 46	10-5040	RL10007	12378526	RL244	Yellow	MT3040	MT3050	MT3012	Canada - GM Part Number
PAG 46	10-5040	RL10007	88900060	RL244	Yellow	MT3040	MT3050	MT3012	
PAG 68*	NA	NA	NA	NA	NA	NA	NA	NA	Ford Original YN12 Oil
PAG 100	NA	NA	NA	URL100	Yellow	MT3041	MT3051	MT3013	Dow Chemical - Union Carbide URL100
PAG 125*	15-100	NA	12346292	NA	NA	MT3042	MT3052	MT3014	GM - A/C Delco Product - Use 150 Viscosity
PAG 133*	NA	NA	NA	NA	NA	MT3042	MT3052	MT3014	Use 150 Viscosity
PAG 150	15-118	RL10006	12356151	RL488	Blue	MT3042	MT3052	MT3014	Dow Chemical - Union Carbide RL488
PAG 150	15-118	RL10006	12345923	RL488	Blue	MT3042	MT3052	MT3014	
PAG 150	15-118	RL10006	9985752	RL488	Blue	MT3042	MT3052	MT3014	
PAG 150	15-118	RL10006	SD2-231	RL488	Blue	MT3042	MT3052	MT3014	
Viscosity	Delco	Delphi	OEM	Mfg PN	Color	Santech	Type	Comments	
SUS 525	15-117	All GM Compressors	12301108	NA	NA	MT3046	R12 Compressor Oil	Mineral Oil	
SUS 300	15-116	Non GM Compressors	12323913	NA	NA	MT3046	R12 Compressor Oil	Mineral Oil	
* OEM Viscosity									
Note Oil Usage - Correct Oil usage is determine by the Manufacture of the Compressor - Not the Compressor Model									
A6, R4 Standard & Light Weight Frigidare/Harrison - use 150 Viscosity						Diesel Kiki, Zexel Use - ZXL 100PG (Type S) - 46 Viscosity			
DA6, HR6, HR6HE, HD6, HU6, HT6 Harrison/Delphi Built - use 150 Viscosity Sanden Built - use 100 Viscosity Valeo Built - use 46 Viscosity						Delphi CVCC6 & 7 - Use Delco 10-5040 - 46 Viscosity			
V5 Harrison/Delphi Built - use 150 Viscosity Korean Built - use 46 Viscosity Retrofit Harrison - use 15-100						GM Denso 10S17, 10S20 - Use Delco 10-5040 - 46 Viscosity Sanden TRSA12 - Use Sanden SP10 - 46 Viscosity Visteon SCV 100 - Use Delco 10-5040 - 46 Viscosity			
Dye						8 oz. Bottle of Oil contains 0.034 Grams of Dye Powder			

Compressor Oil Viscosity Chart

Viscosity	Compressor	OEM Name		Color	Santech		Comments
		Compressor	OEM Name		Double End Cap w/o Dye	Single End Cap w/o Dye	
PAG 46	Denso	ND8	MT3012	Yellow	MT3040	MT3050	
PAG 46	Denso	Dens Oil 8	MT3012	Yellow	MT3040	MT3050	
PAG 100	Denso	ND9	MT3013	Yellow	MT3041	MT3051	
PAG 100	Denso	Dens Oil 9	MT3013	Yellow	MT3041	MT3051	
PAG 100	Denso	Dens Oil 9H-5	MT3013	Yellow	MT3041	MT3051	European Vehicles
NA	Denso	ND11	MT3032	Yellow	NA	NA	Electric Compressor - Hybrid Oil
PAG 46	Ford Compressors	YN12A,B,C,D	MT3012	Yellow	MT3040	MT3050	All Ford Denso R134a Compressors
PAG 46	Ford Compressors	W5H-M1C231-B (YN-12)	MT3012	Yellow	MT3040	MT3050	Ford FX15, FS10, FS18, FS20
PAG 100	Ford Compressors	W5T-M1C231-B2 (YN-24)	MT3013	Yellow	MT3041	MT3051	Ford - Sanden Compressors
NA	Ford Compressors	YN-22 (Hybrid Oil)	MT3032	Yellow	NA	NA	Ford Hybrid Vehicles
PAG 46	GM Compressors	UCON RL244	MT3012	Blue	MT3040	MT3050	RL244
PAG 100	GM Compressors	UCON RL100	MT3013	Yellow	MT3041	MT3051	RL100
PAG 150	GM Compressors	UCON RL488	MT3014	Blue	MT3042	MT3052	RL488
PAG 150	GM Compressors	DH-G25X	MT3014	Yellow	MT3042	MT3052	Daphne Hermetic DH G25X
PAG 46	Honda Compressor	S10X	MT3012	Yellow	MT3040	MT3050	HADSYS RC17 Compressors
PAG 46	Mazda Compressors	Atmos GU10	MT3012	Yellow	MT3040	MT3050	Matsushita/Panasonic Compressors
PAG 100	Mazda Compressors	Atmos GU20	MT3013	Yellow	MT3041	MT3051	Matsushita/Panasonic Compressors
PAG 46	Mazda Compressors	Atmos 150	MT3012	Yellow	MT3040	MT3050	Matsushita/Panasonic Compressors
PAG 46	Mitsubishi Compressors	Sun PAG56	MT3012	Yellow	MT3040	MT3050	
PAG 100	Nissan Compressors	KLH00-PAGR0 (Type R)	MT3013	Yellow	MT3041	MT3051	Type R = Rotary Vane Compressor
PAG 46	Nissan Compressors	KLH00-PAGS0 (Type S)	MT3012	Yellow	MT3040	MT3050	Type S = Swash Plate Compressor
PAG 46	Nissan Compressors	KLH00-PAGQU (Type F)	MT3012	Yellow	MT3040	MT3050	Ford - FX15, FS10 Compressors
PAG 46	Sanden	SP10	MT3012	Yellow	MT3040	MT3050	
PAG 100	Sanden	SP15	MT3013	Yellow	MT3041	MT3051	
PAG 100	Sanden	SP20	MT3013	Yellow	MT3041	MT3051	SP20 Replaced by SP15
PAG 100	Sanden	E13, M6	MT3013	Yellow	MT3041	MT3051	European Vehicles
PAG 100	Sanden/Seiko Sieki	DH-PR	MT3013	Yellow	MT3041	MT3051	Type R = Rotary Vane Compressor
PAG 100	Seiko Seiki	SK20	MT3013	Yellow	MT3041	MT3051	Daphne Hermetic
PAG 150	N/A	Clim-488	MT3014	Yellow	MT3042	MT3052	UCON RL488
PAG 46	Visteon Compressors	FD46XG	MT3012	Yellow	MT3040	MT3050	FX15, FS10
PAG 46	Zexel/Seltec	ZXL 100PG (Type S)	MT3012	Yellow	MT3040	MT3050	Type S = Swash Plate Compressor
PAG 100	Zexel/Seltec	ZXL 200PG (Type R)	MT3013	Yellow	MT3041	MT3051	Type R = Rotary Vane Compressor
PAG 46	Zexel/Seltec	DS-83P (ZXL 100PG)	MT3012	Yellow	MT3040	MT3050	
PAG 150	N/A	Planetel 488	MT3014	Yellow	MT3042	MT3052	European Vehicles
PAG 46	N/A	Fuchs-Resio	MT3012	Yellow	MT3040	MT3050	European Vehicles
PAG 46	N/A	N052 154 VX00	MT3012	Yellow	MT3040	MT3050	European Vehicles
PAG 100	Rotary Vane Compressors	DH PR (Type R) Daphne Hermetic	MT3013	Yellow	MT3041	MT3051	Type R = Rotary Vane Compressor
PAG 46	Swash Plate Compressors	DH PS (Type S) Daphne Hermetic	MT3012	Yellow	MT3040	MT3050	Type S = Swash Plate Compressor

Viscosity	Compressor	OEM Name		Color	Santech	Comments	
		Compressor	OEM Name				Viscosity
Mineral Oil	Denso Oil 6	ND6	MT3046	Yellow	MT3046	Standard 525 Mineral Oil	
Mineral Oil	Denso Oil 7	ND7	MT3048	Yellow	MT3048	Mineral Oil - Paraffin Type	
Mineral Oil	Daphne Hermetic	D-90 PX	MT3046	Yellow	MT3046	Standard 525 Mineral Oil	
Mineral Oil	Daphne Hermetic	DH-150 CX	MT3046	Yellow	MT3046	Standard 525 Mineral Oil	
Mineral Oil	Ford Denso	ESA-M2C31-A	MT3048	Yellow	MT3048	Mineral Oil - Paraffin Type	
Mineral Oil	Sun Isco 525	SUS 5GS	MT3046	Yellow	MT3046	Standard 525 Mineral Oil	

Refrigerant Oil

ULTRA PAG w/o UV Dye

Masterchem™ “Double End Capped”
PAG Oil Compatible w/R12 & R134a

Viscosity	8 Ounce	Quart
46	MT3012	MT3018
100	MT3013	MT3019
150	MT3014	MT3020

Case of 6
8 Ounce or Quart.



Hybrid Lubricant

MT3032
For Electric Compressors

Case of 2
8 Ounce Metal Cans



Ester Oil w/o UV Dye

Masterchem™ Ester Oil
Compatible w/R12 & R134a

Viscosity	8 Ounce	Quart
100	MT3024	MT3025

Case of 12
8 Ounce or Quart.



Premium PAG w/UV Dye

Masterchem™ “Single End Capped”
PAG Oil OEM Type for R134a
Service & Retrofit Only

Viscosity	8 Ounce	Quart
46	MT3050	MT3053
100	MT3051	MT3054
150	MT3052	MT3055

Case of 12
8 Ounce or Quart.



Premium PAG w/o UV Dye

Masterchem™ “Single End Capped”
PAG Oil OEM Type for R134a
Service & Retrofit Only

Viscosity	8 Ounce	Quart
46	MT3040	MT3043
100	MT3041	MT3044
150	MT3042	MT3045

Case of 12
8 Ounce or Quart.



Mineral Oil w/o Dye

Type	8 oz.	Gallon
Non-Paraffinic	MT3046	MT3047
Paraffinic	MT3048	MT3049

Case of 12
8 Ounce
(1) Ea. Gallon



Dye & Oil Injectors

Oil - Dye Injector - Hand Turn R12 & R134a

MT1407
2 Ounce Capacity w/1/4 Ounce
Increment Scale.
Contains Adapter
Fitting for use with R12
& R134a Connections



Oil - Dye Injector - Hand Turn R12 & R134a

MT1408
1/2 Ounce Capacity w/1/4 Ounce
Increment Scale.
Contains Adapter
Fitting for use with R12
& R134a Connections



Oil - Dye Injector - R134a

MT1067
2 ounce Capacity
1/2" ACME MFL x
1/2" ACME FFL
w/Shut-Off Valve



Oil - Dye Injector - R134a

MT4055
2 ounce Capacity
Quick Disconnect Style
w/Ball Valve



Oil - Dye Injector - R12

MT4056
2 ounce Capacity
R12-1/4" MFL x 1/4" FFL
w/Ball Valve

