Unicla® Compressor operation analysis report

New applications validation for open drive compressors 45cc to 680cc

Vehicle Details			
Date		**Ref**	
Owner Name			
Contact Details			
Phone			
AC System Type			

Compressor Details			
Compressor Model		*Date Purchased*	
Clutch Type		*Invoice Number*	
Clutch Voltage		*Date Installed*	
		Vehicle Type	

System Information			
Refrigerant	***R12 / R134a / Other***	*UV Dye Added*	*Yes / No*
Purity	*%*	*Oil Separator Fitted*	*Yes / No*
Oil Type		*Accumulator Fitted*	*Yes / No*

Discharge		Suction		Other	
Operation Analysis at 1200 / 1500 / 1800 RPM (Indicate which)					
Discharge Pressure		*Suct.Pressure at Evap*		*Duct Temp - In*	*oC*
Condensor Temp	*oC*	*Suct.Pressure at Comp*		*Duct Temp - Out*	*oC*
Discharge Temp	*oC*	*Pressure Drop*		*Temp Difference*	*oC*
Liquid Line Temp	*oC*	*Suct.LineTemp at Comp*	*oC*	**Airflows**	
Discharge Superheat	*oC*	*Evap Temp*	*oC*	*Condensor*	*m/s*
Subcooling	*oC*	*Suct.LineTemp at Evap*	*oC*	*Evap Duct - Front*	*m/s*
		Suct.Line Superheat	*oC*	*Evap Duct - Rear*	*m/s*
Operation Analysis at 2000 / 2200 / 2400 RPM (Indicate which)					
Discharge Pressure		*Suct.Pressure at Evap*		*Duct Temp - In*	*oC*
Condensor Temp	*oC*	*Suct.Pressure at Comp*		*Duct Temp - Out*	*oC*
Discharge Temp	*oC*	*Pressure Drop*		*Temp Difference*	*oC*
Liquid Line Temp	*oC*	*Suct.LineTemp at Comp*	*oC*	**Airflows**	
Discharge Superheat	*oC*	*Evap Temp*	*oC*	*Condensor*	*m/s*
Subcooling	*oC*	*Suct.LineTemp at Evap*	*oC*	*Evap Duct - Front*	*m/s*
		Suct.Line Superheat	*oC*	*Evap Duct - Rear*	*m/s*
Operation Analysis at 2500 / 3000 / 3600 RPM (Indicate which)					
Discharge Pressure		*Suct.Pressure at Evap*		*Duct Temp - In*	*oC*
Condensor Temp	*oC*	*Suct.Pressure at Comp*		*Duct Temp - Out*	*oC*
Discharge Temp	*oC*	*Pressure Drop*		*Temp Difference*	*oC*
Liquid Line Temp	*oC*	*Suct.LineTemp at Comp*	*oC*	**Airflows**	
Discharge Superheat	*oC*	*Evap Temp*	*oC*	*Condensor*	*m/s*
Subcooling	*oC*	*Suct.LineTemp at Evap*	*oC*	*Evap Duct - Front*	*m/s*
		Suct.Line Superheat	*oC*	*Evap Duct - Rear*	*m/s*

Other Information					
Ambient Temp	oC	Clutch Cycle (set point)	oC	Comp oil Level	cc
Note: measure compressor oil level by sight glass for models 330, 440 & 550.					