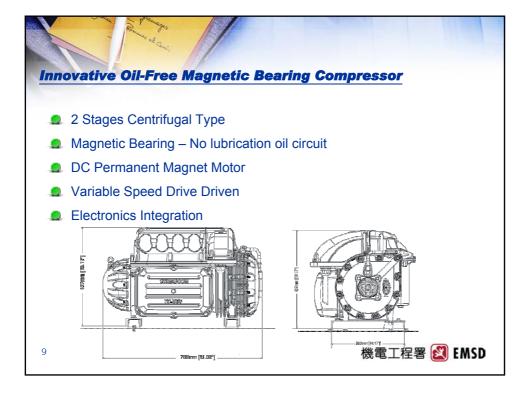
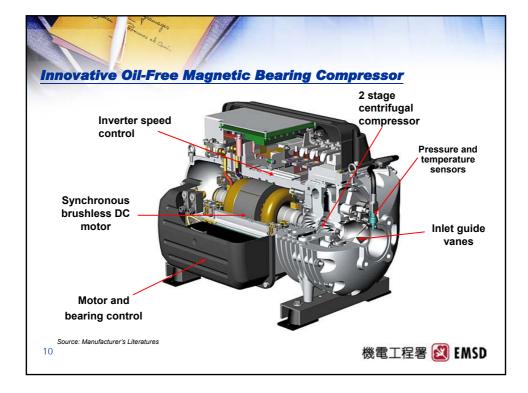


	Type of	Compressors
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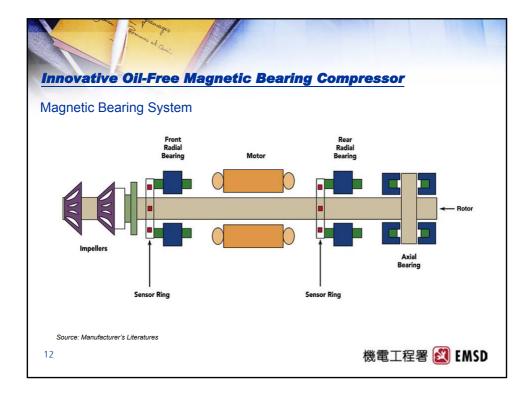
Type of Compressor	Typical Size Range	Typical Full-load Chiller COP	Remarks
Centrifugal	100 – 1,500 RT	5 - 7	Mature technology; Subject to surge at low loads; Gear-driven or direct-drive.
Screw	40 – 1,100 RT	5 – 5.8 (water cooled) 2.7 – 3.2 (air cooled)	Wide operating range; Relatively small and light; Response well to reductions in condenser water temp.
Reciprocating	1 – 400 RT	3.5 – 4.4 (water cooled) 2.2 - 2.5 (air cooled)	More moving parts; Vibrations;
, Sources: Manufacturer's Data			機電工程署 <u> E</u> MS



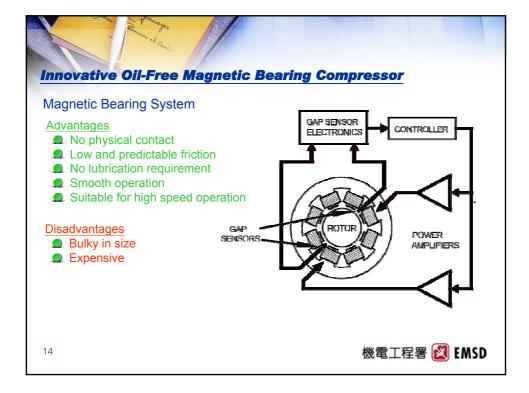


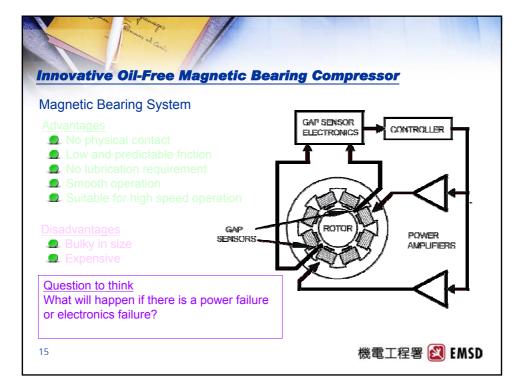


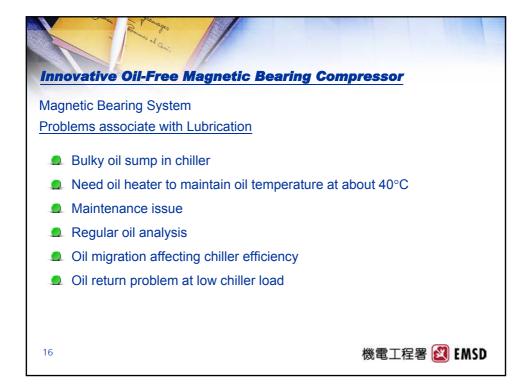




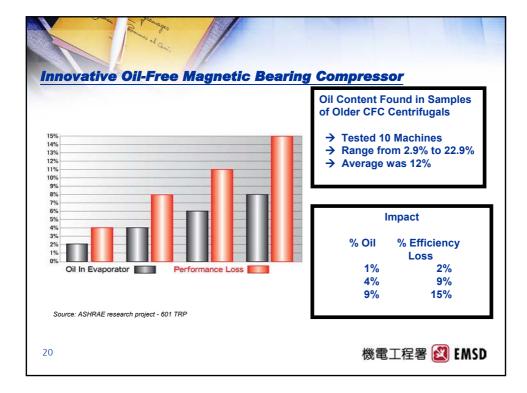


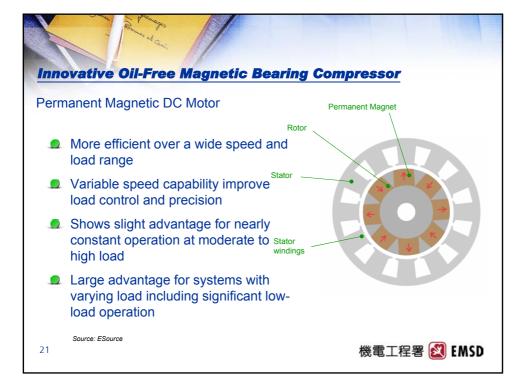






Results :			
and the second s	Teating itoms	Results	
1. Moiste	ure content, %	<0.05	
2. Kinem	atic viscosity @ 40°C, cSt	26	
3. Total	acid number, mgKOH/g	0.06	
4. Wear	metals : Ag, ppm Al, ppm Ba, ppm Ca, ppm Ca, ppm Cr, ppm Cu, ppm Cu, ppm Fe, ppm K, ppm Mo, ppm Na, ppm Ni, ppm Pb, ppm Sb, ppm Sb, ppm Sb, ppm Si, ppm Ti, pem Zn, ppm	<1 1 1 1 360 41 1 360 41 1 1 1 1 1 1 1 1 1 1 1 1 1	王署 😢 EMSD





	nnovative Oil-Fi		earing Compre	ssor
	<u>Speed</u>	Load	Induction Motor Eff.	PM DC Motor Eff.
	100%	100%	88.0%	89.8%
	50%	100%	79.3%	85.4%
	100%	50%	87.5%	86.8%
	50%	50%	83.3%	85.5%
2	Source: ESource 2		機	電工程署 <u> E</u> MSD



