

RENISO TRITON SE 55

**Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends**

Typical data:

Product name		RENISO TRITON SE 55	
Properties	Unit		Test method
Density at 15 °C	kg/m ³	1009	DIN 51757
Flash point	°C	286	DIN ISO 2592
Colour	-	0.5	DIN ISO 2049
Kinematic viscosity at 40 °C	mm ² /s	55	DIN EN ISO 3104
at 100 °C	mm ² /s	8.8	
Viscosity index	-	140	DIN ISO 2909
Pourpoint	°C	-57	DIN ISO 3016
Neutralisation number	mgKOH/g	0.03	DIN 51558-1
Water content	mg/kg	< 50	DIN 51777-2
Rapidly biodegradable	-	yes	OECD 301 B

Specifications

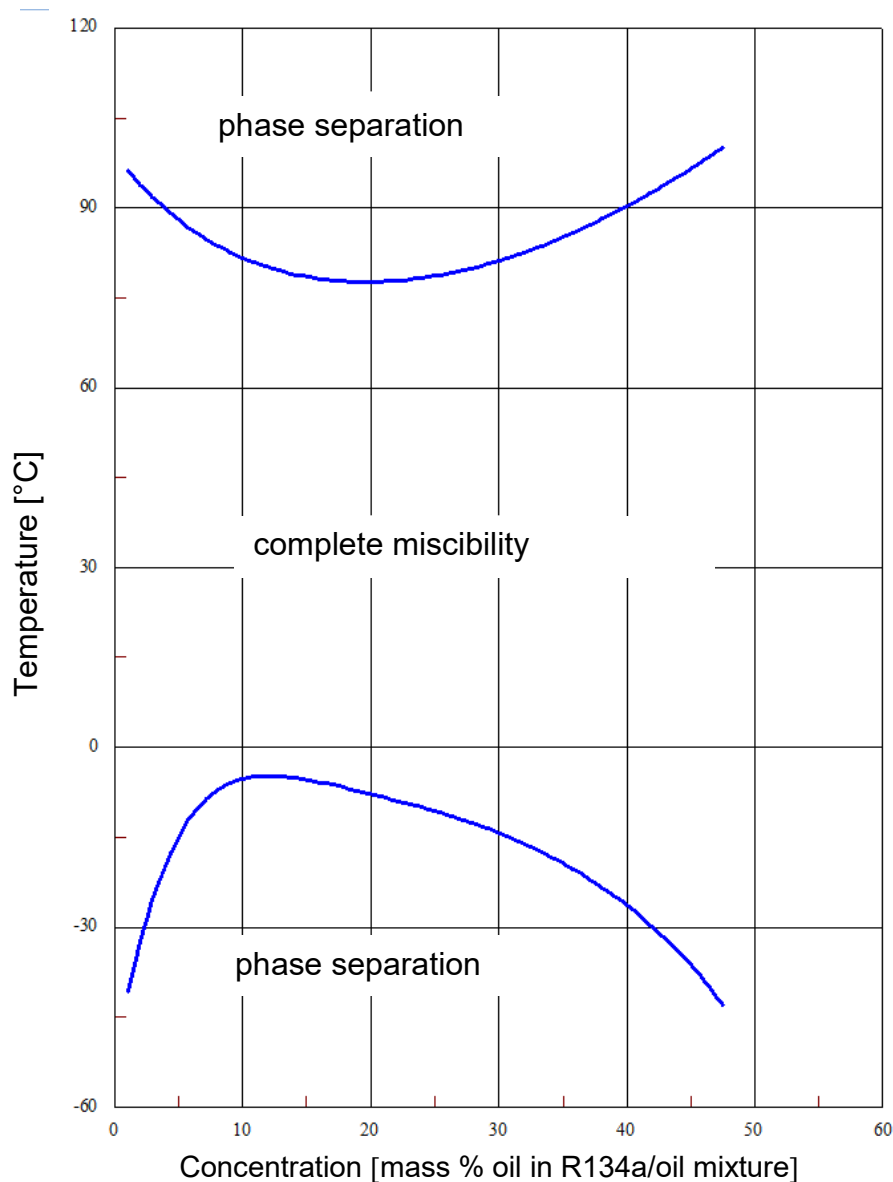
NSF H2 registration:
registration no. 146754

Please find more information about the complete range of synthetic polyolester oils (POEs) on Product Information sheet: PI 4-1255 / RENISO TRITON SE/SEZ Series.

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R134a

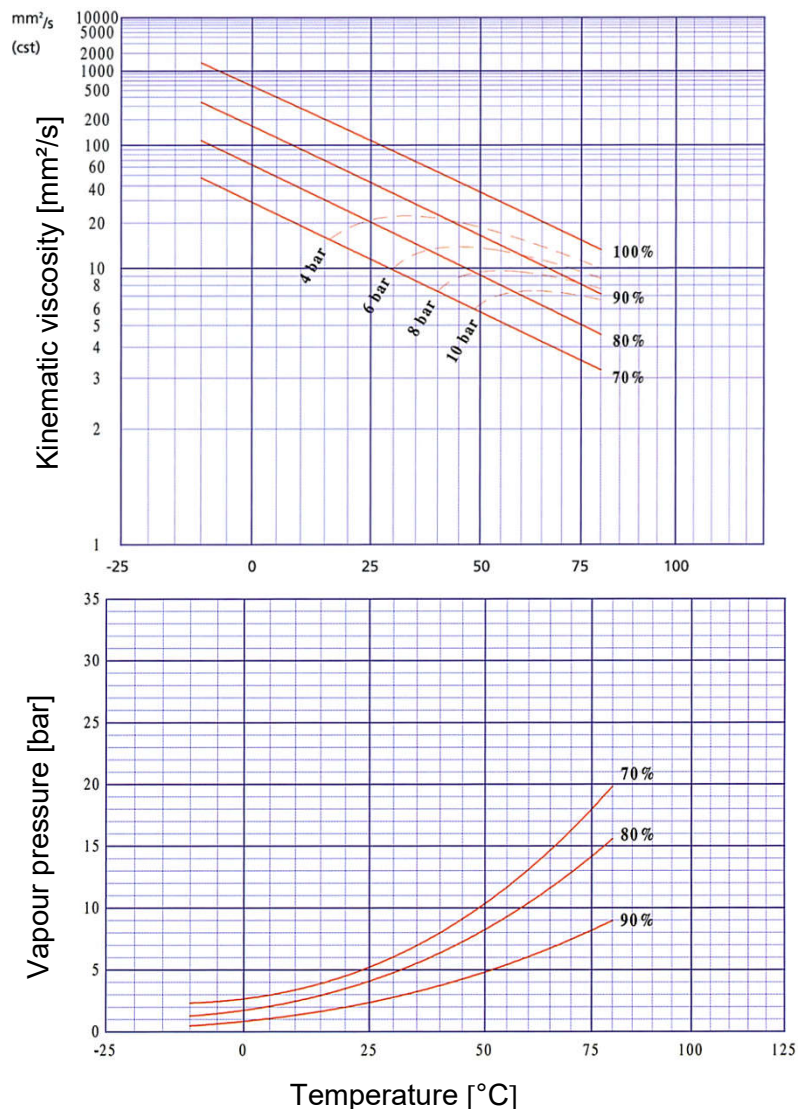


PI 4-1329, Page 2; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Kinematic viscosity and vapour pressure: RENISO TRITON SE 55 and R134a

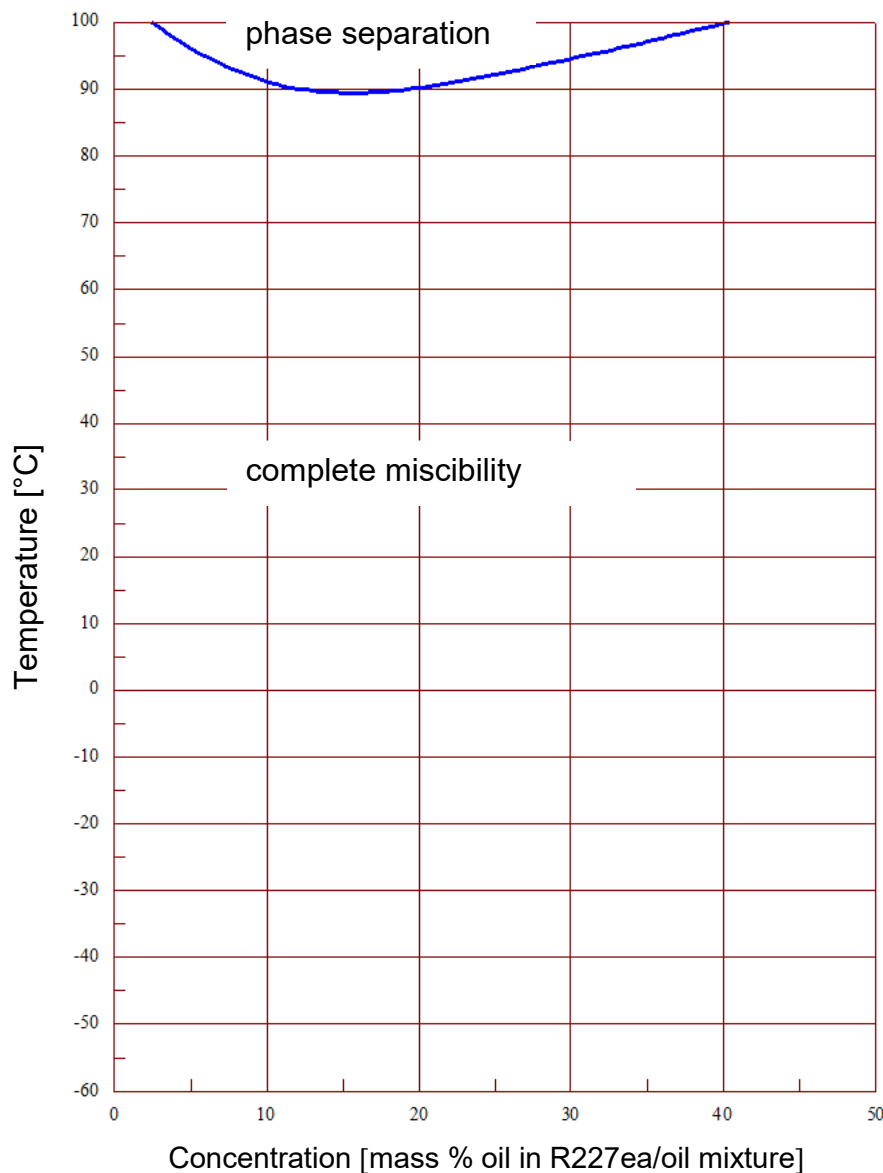


All % figures represent mass % oil in the refrigerant/oil mixture.

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R227ea

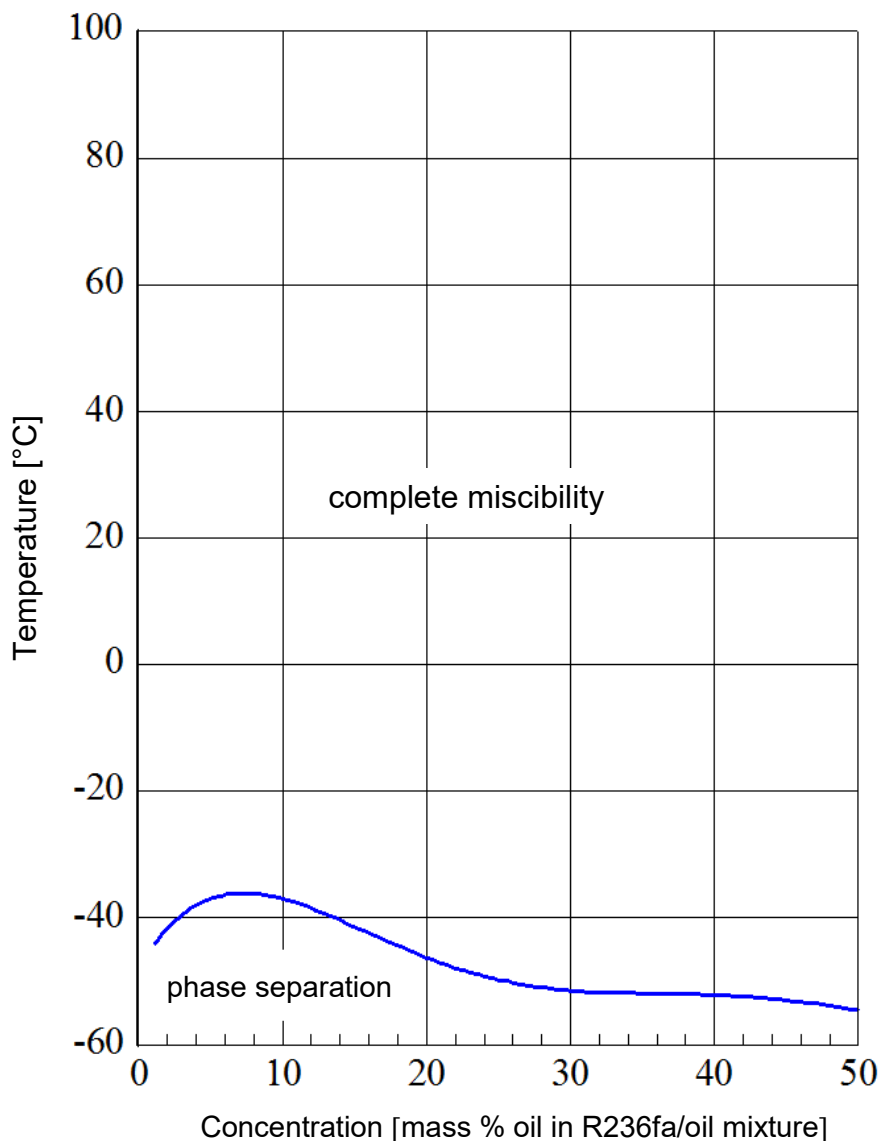


PI 4-1329, Page 4; PM 4 – 09.18

RENISO TRITON SE 55

**Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends**

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R236fa

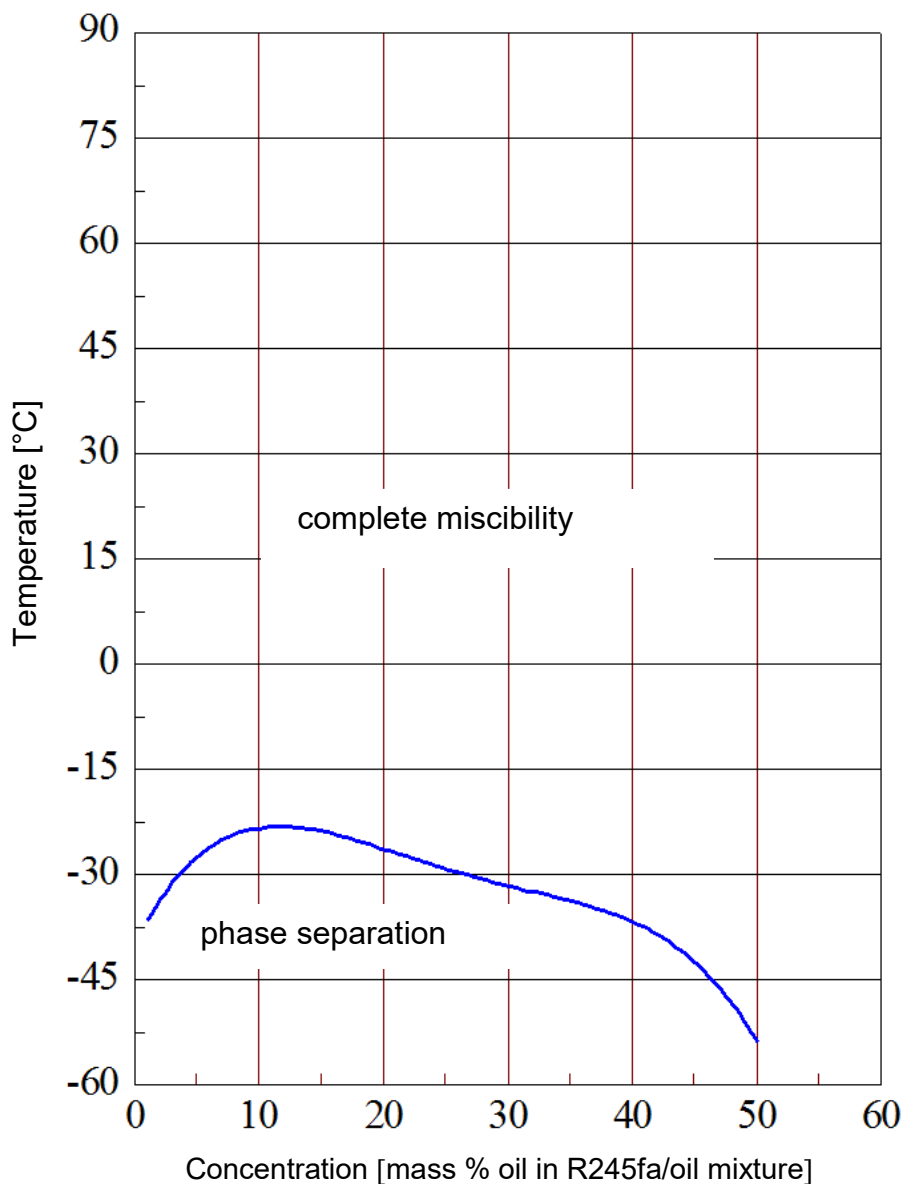


PI 4-1329, Page 5; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R245fa

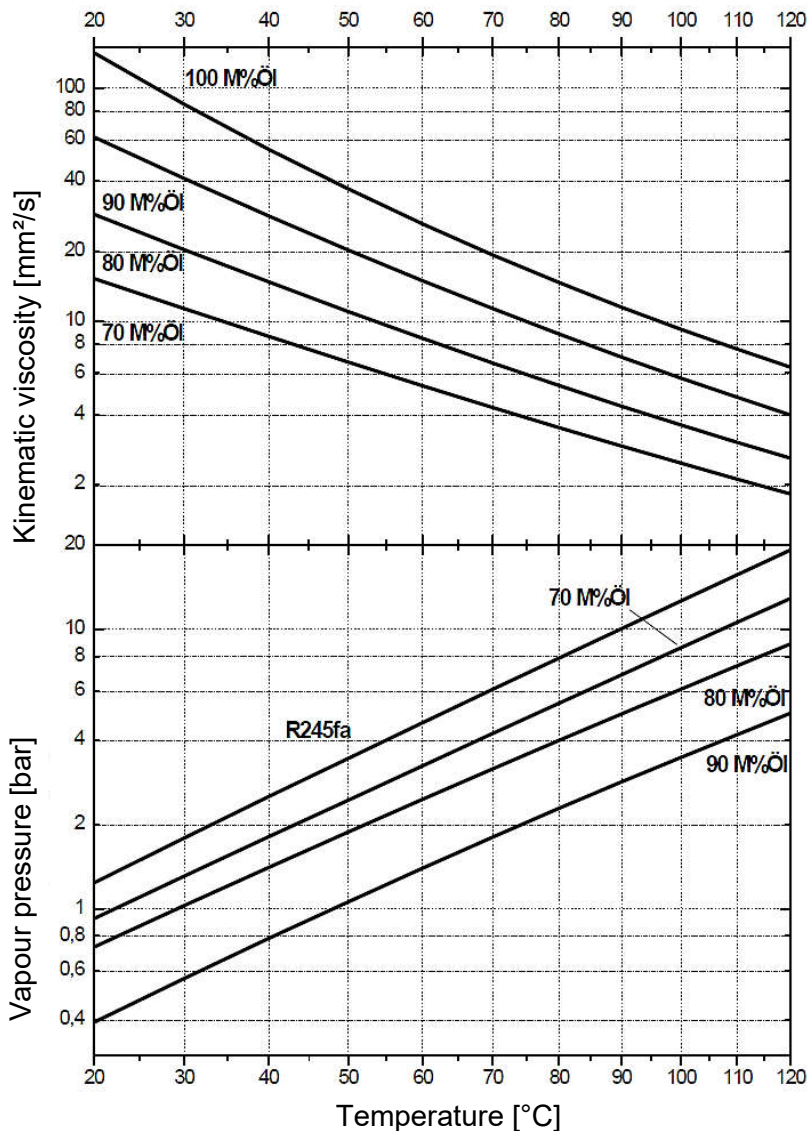


PI 4-1329, Page 6; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Kinematic viscosity and vapour pressure: RENISO TRITON SE 55 and R245fa

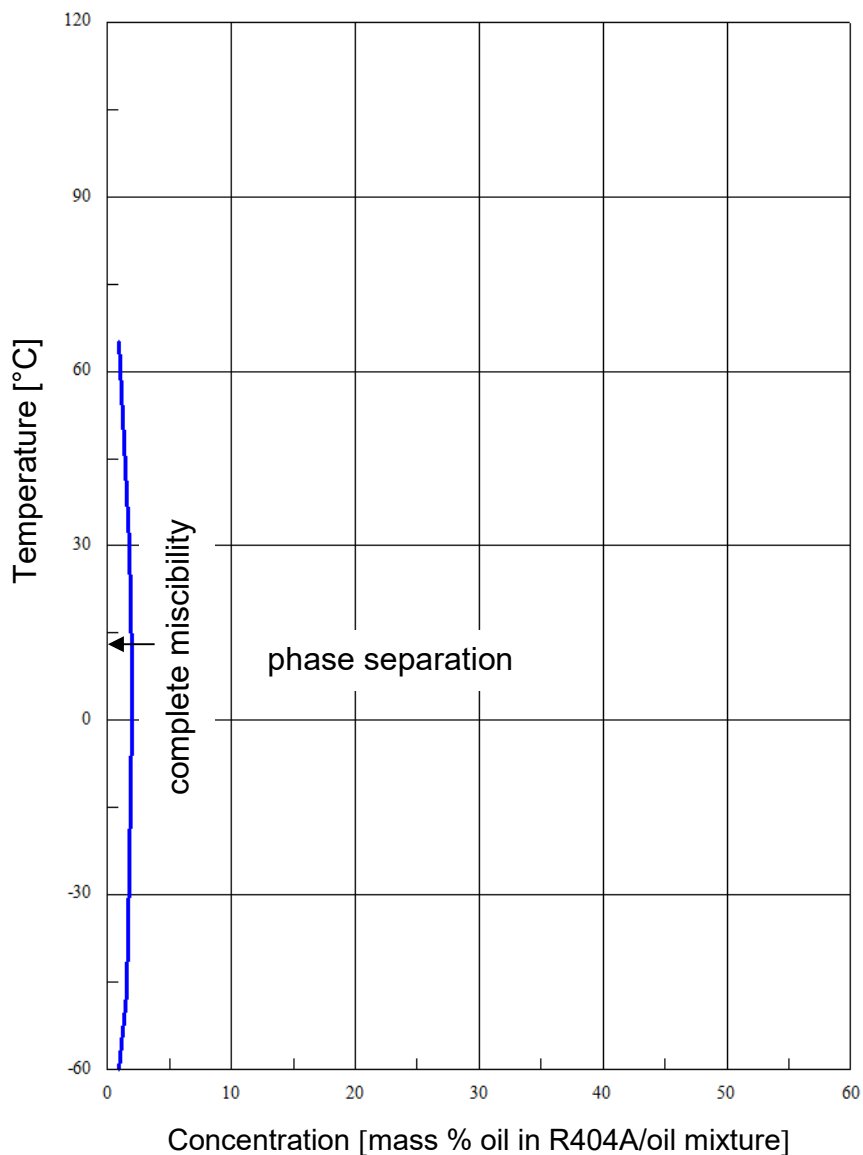


All % figures represent mass % oil in the refrigerant/oil mixture.

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R404A

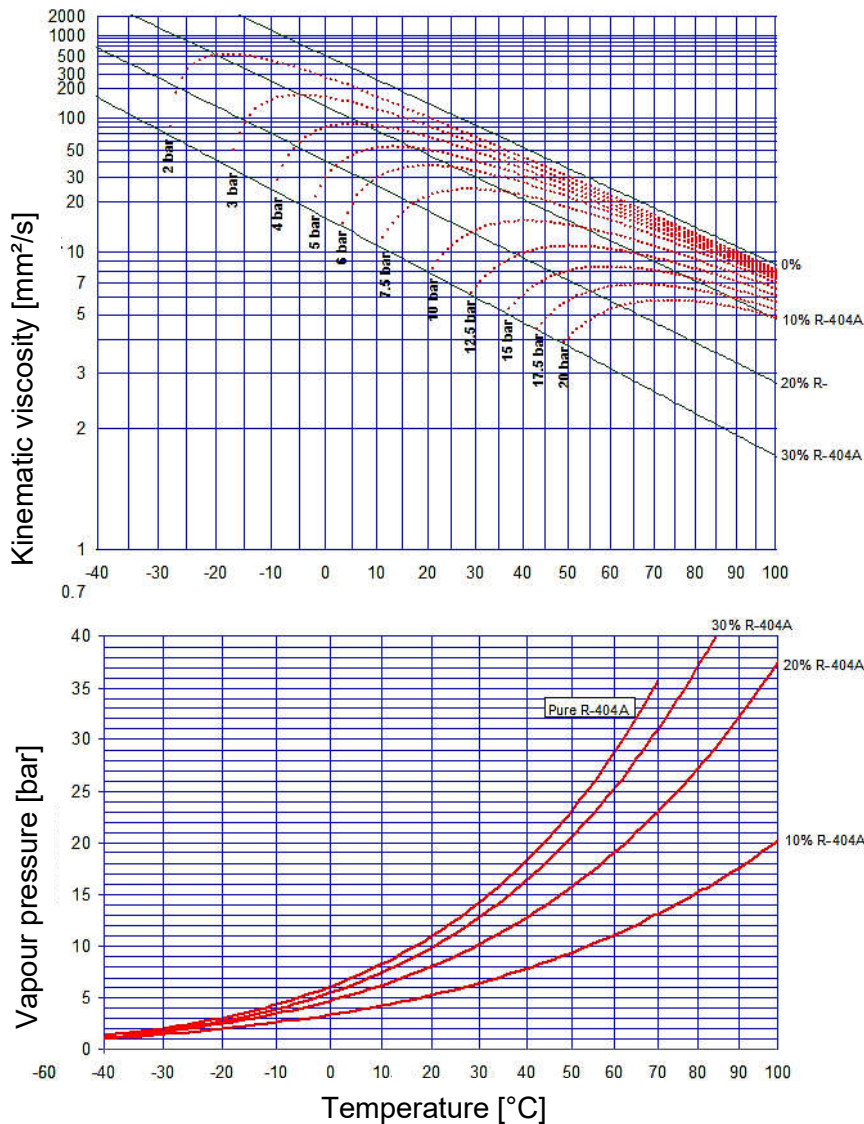


PI 4-1329, Page 8; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Kinematic viscosity and vapour pressure: RENISO TRITON SE 55 and R404A

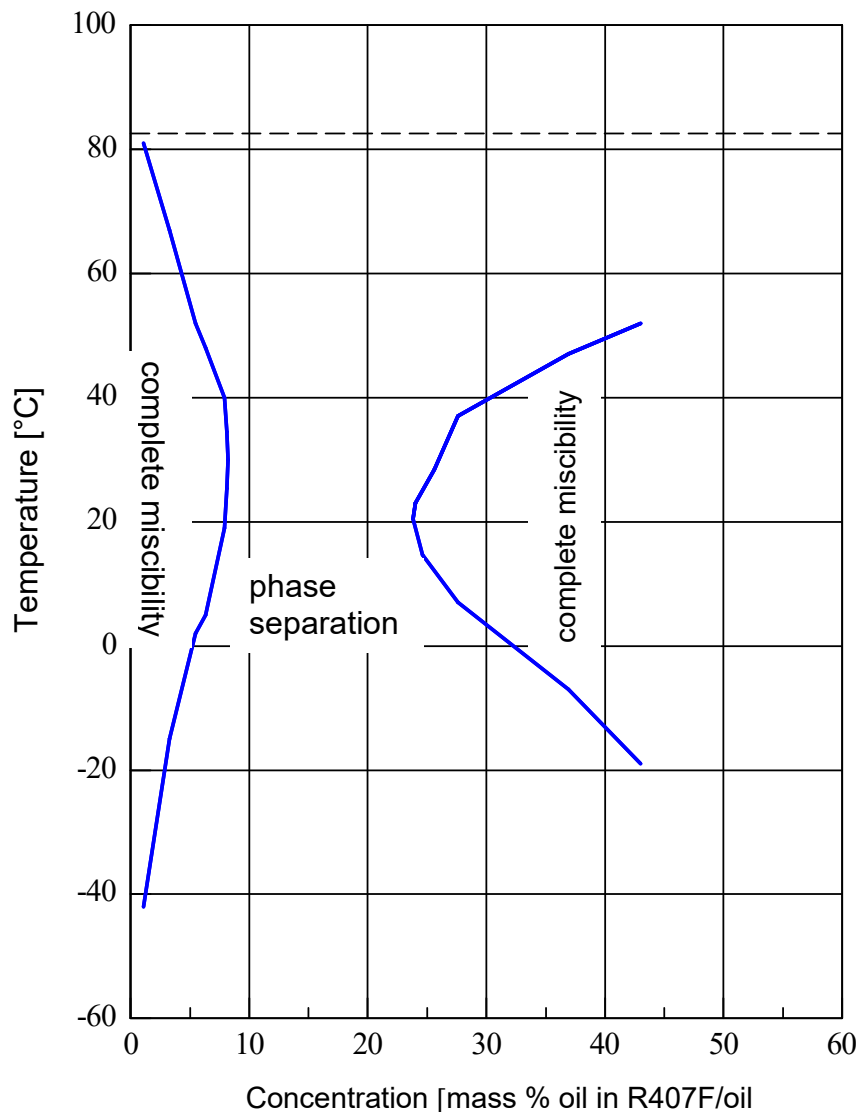


All % figures represent mass % refrigerant in the refrigerant/oil mixture.

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R407F

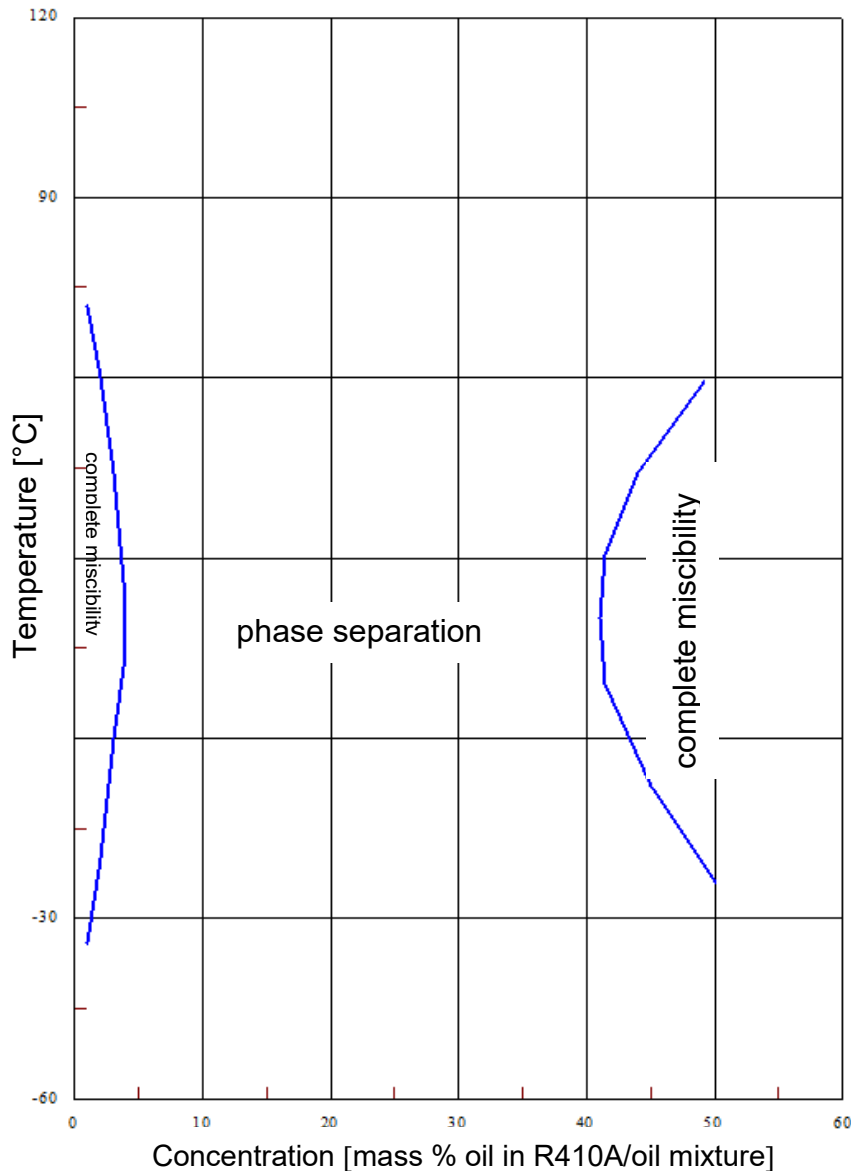


PI 4-1329, Page 10; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R410A

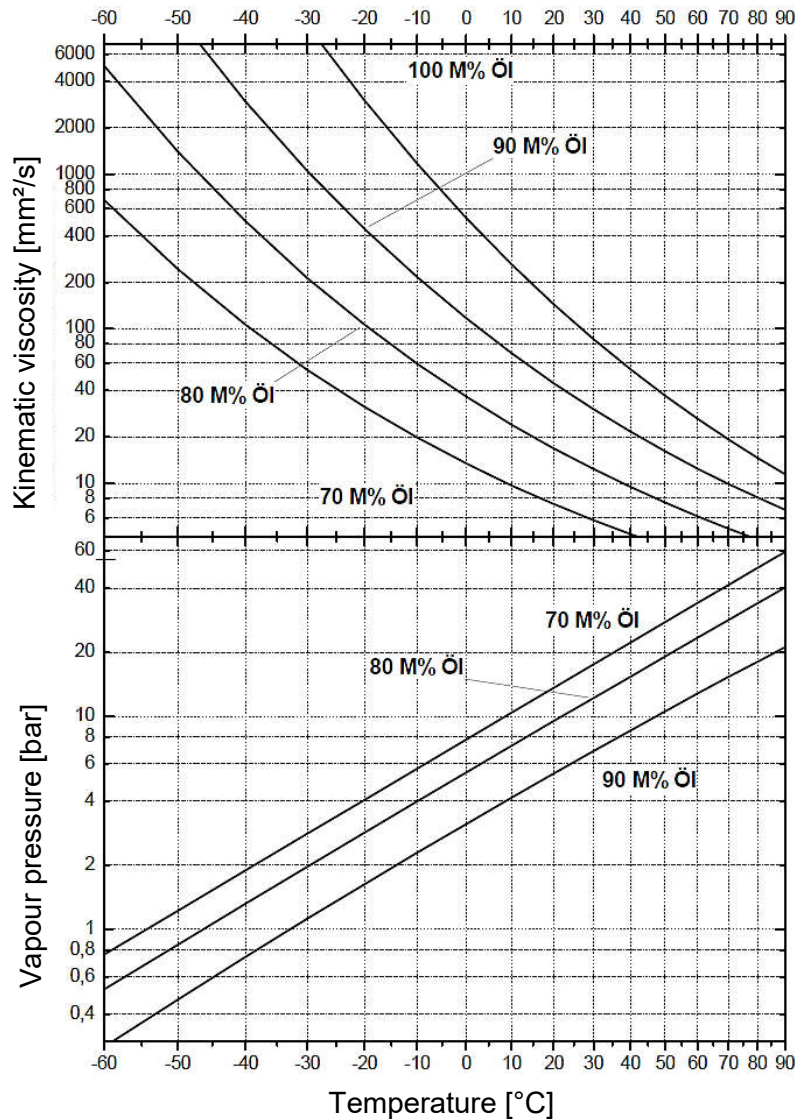


PI 4-1329, Page 11; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Kinematic viscosity and vapour pressure: RENISO TRITON SE 55 and R410A



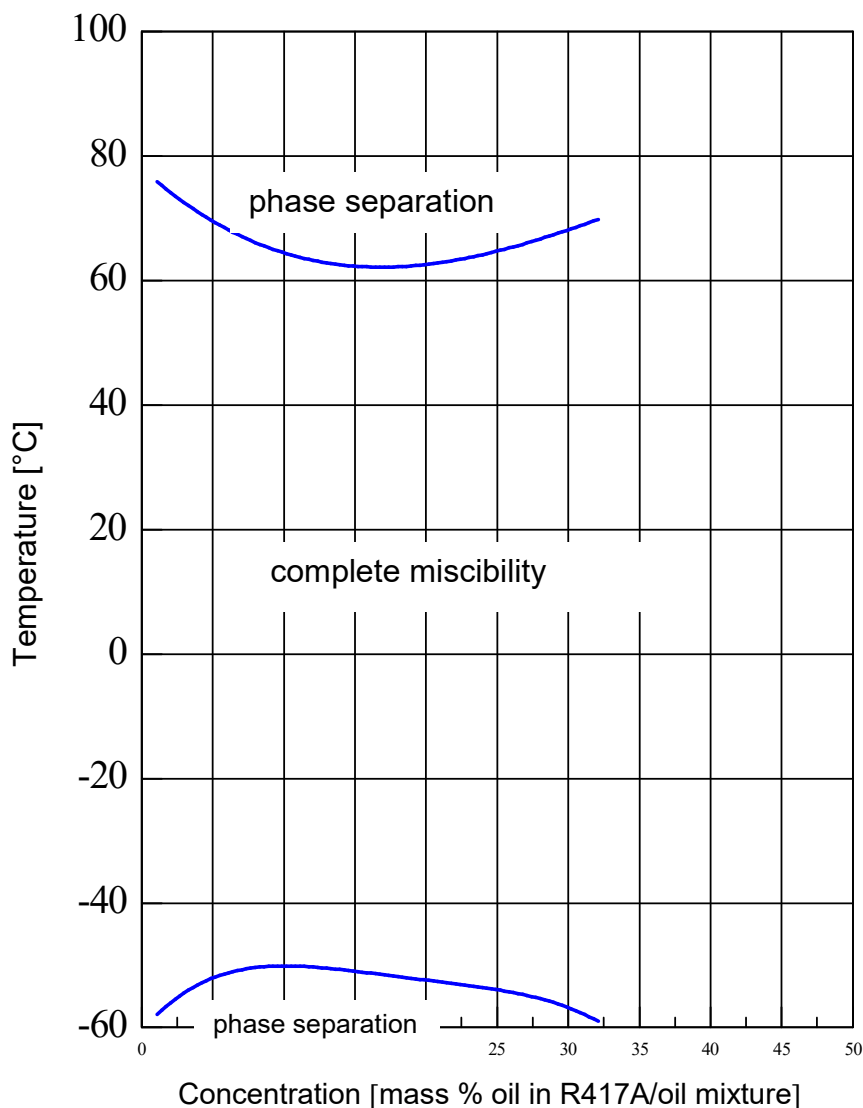
All % figures represent mass % oil in the refrigerant/oil mixture.

PI 4-1329, Page 12; PM 4 – 09.18

RENISO TRITON SE 55

**Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends**

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R417A

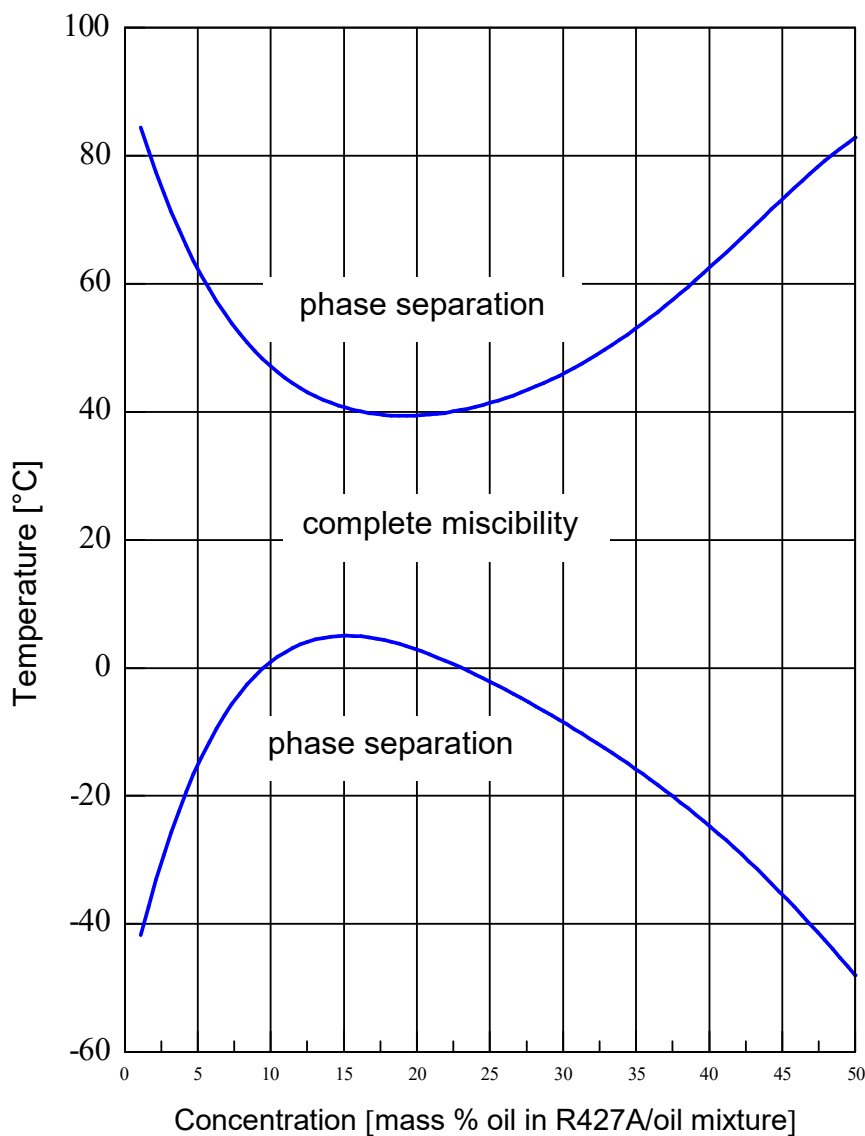


PI 4-1329, Page 13; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R427A

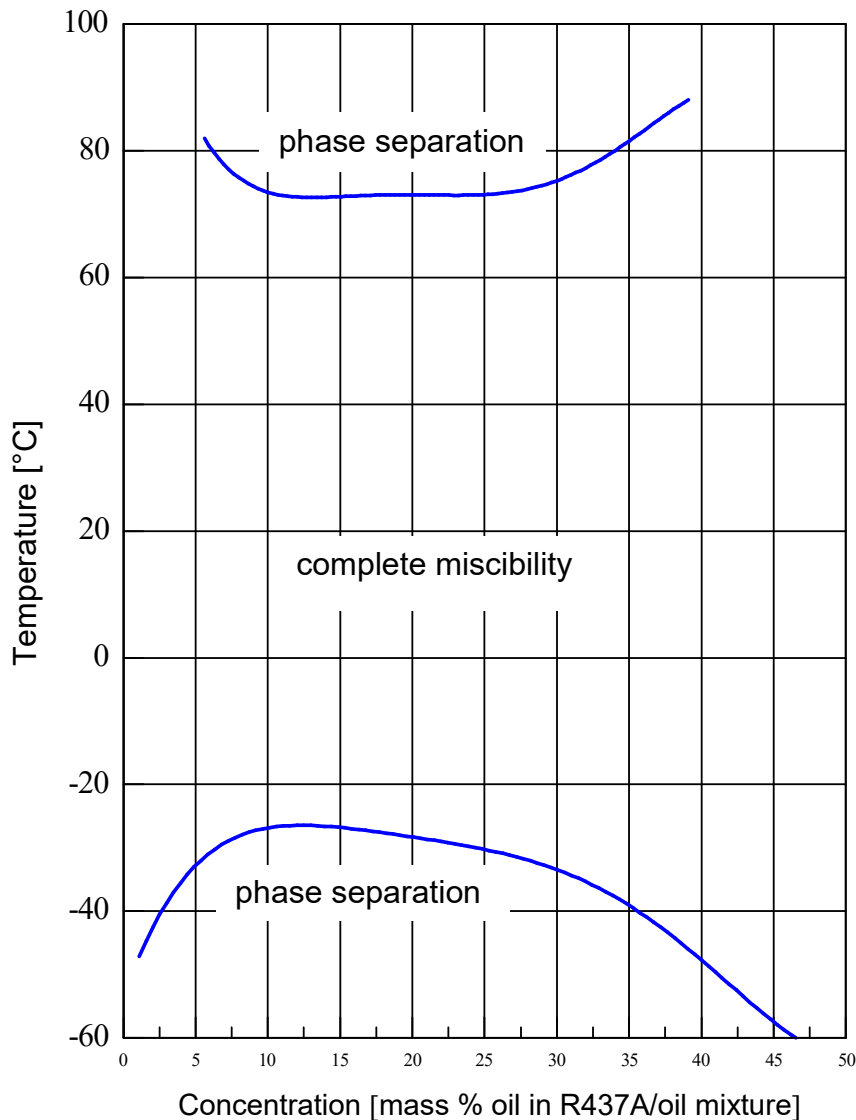


PI 4-1329, Page 14; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R437A

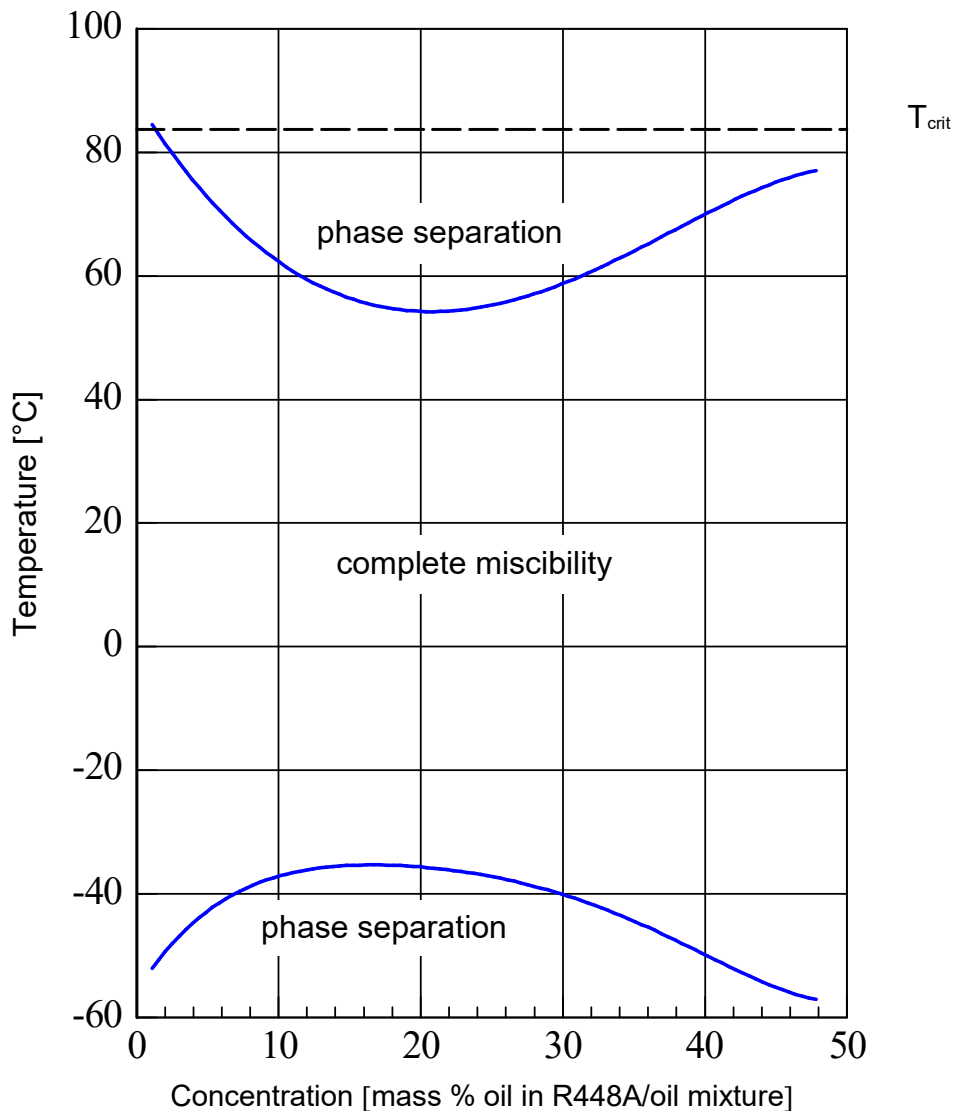


PI 4-1329, Page 15; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R448A

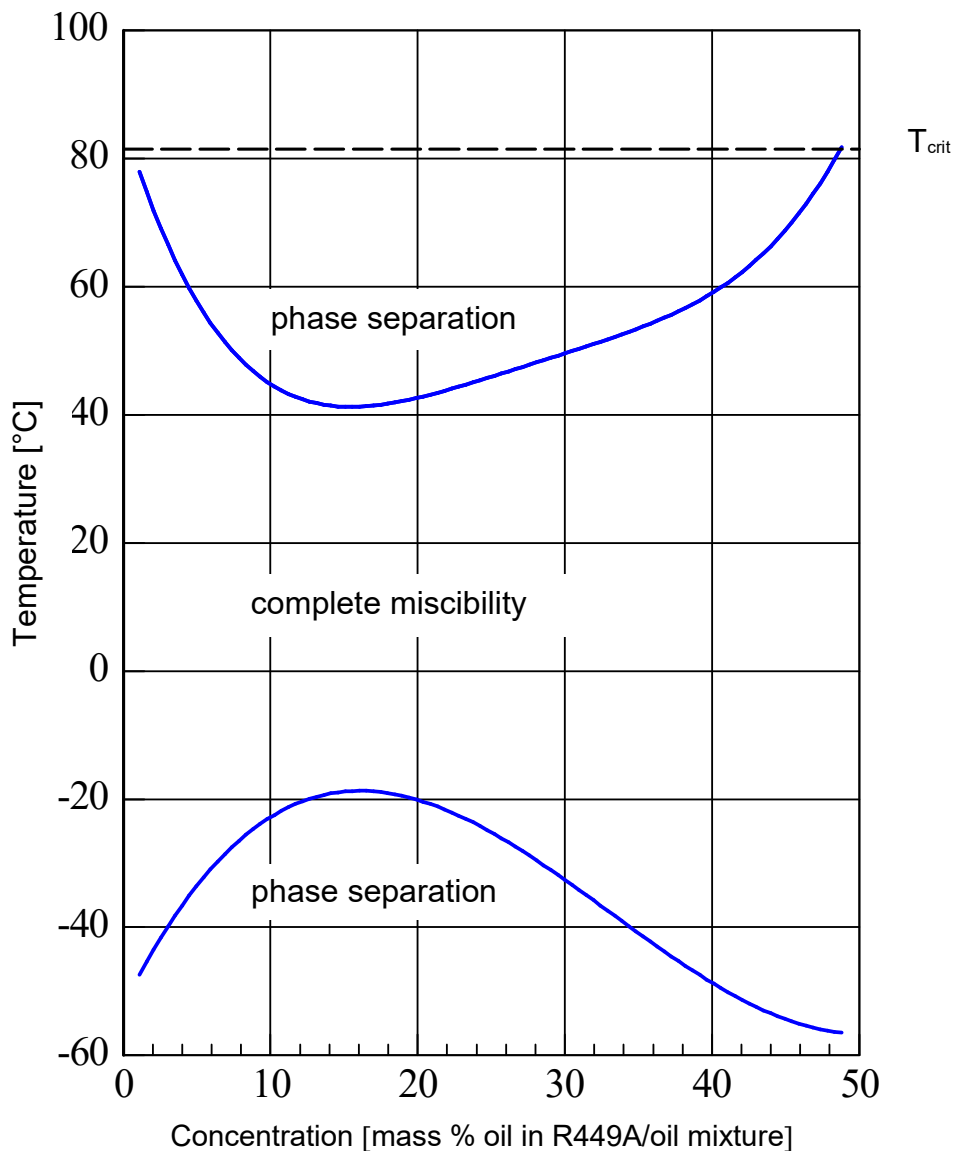


PI 4-1329, Page 16; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R449A

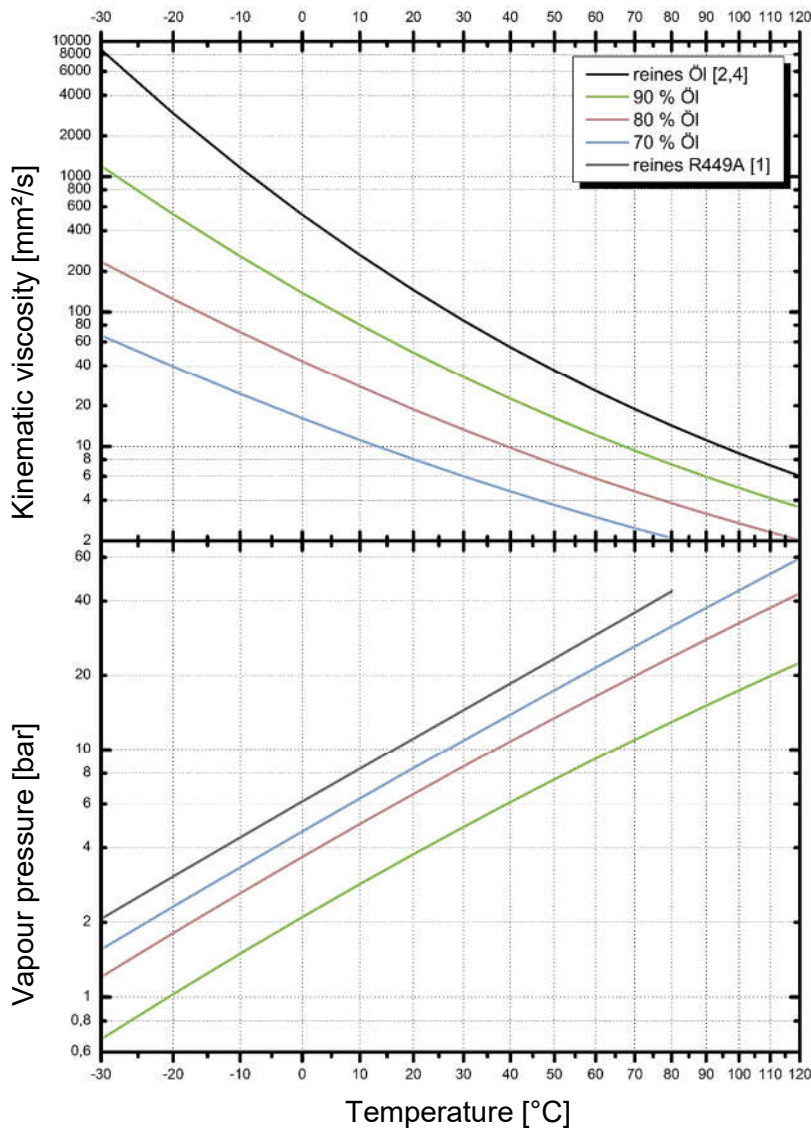


PI 4-1329, Page 17; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Kinematic viscosity and vapour pressure: RENISO TRITON SE 55 and R449A



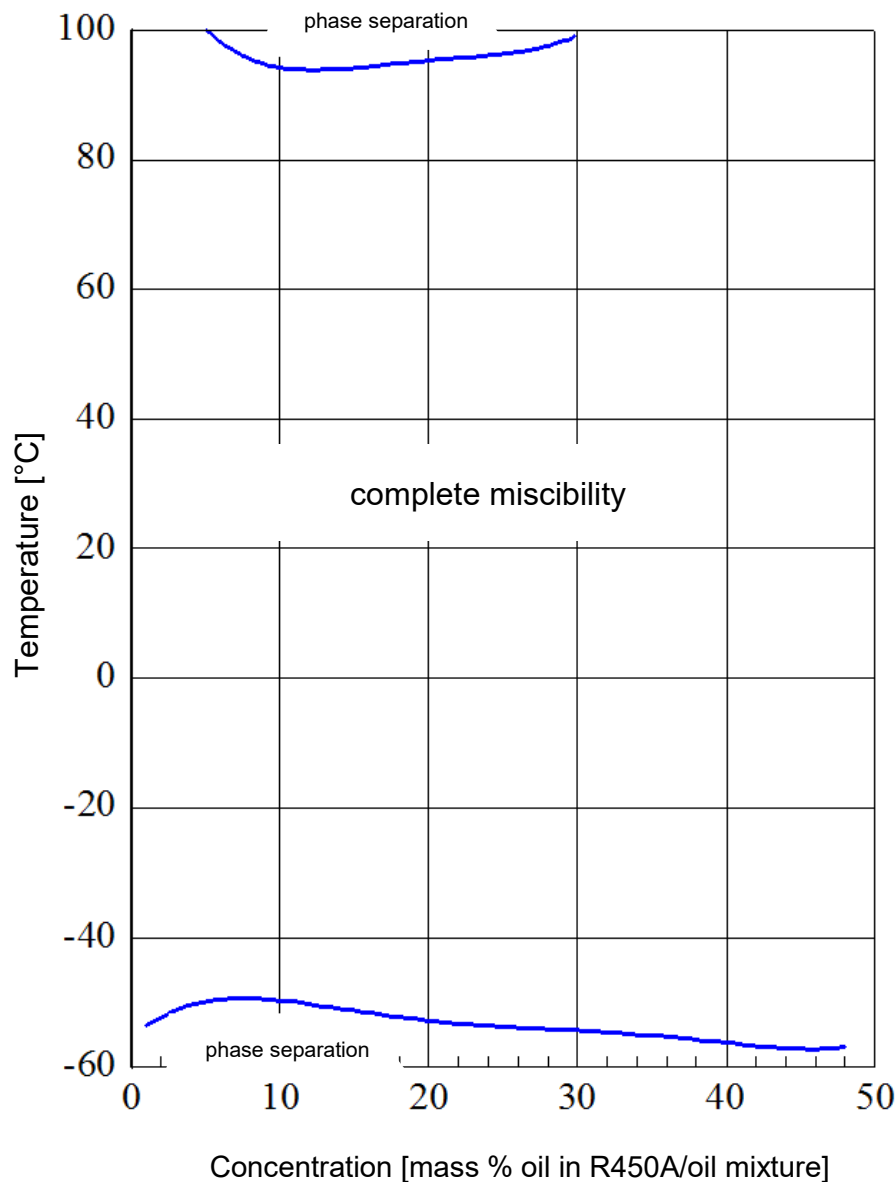
All % figures represent mass % oil in the refrigerant/oil mixture.

PI 4-1329, Page 18; PM 4 – 09.18

RENISO TRITON SE 55

**Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends**

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R450A

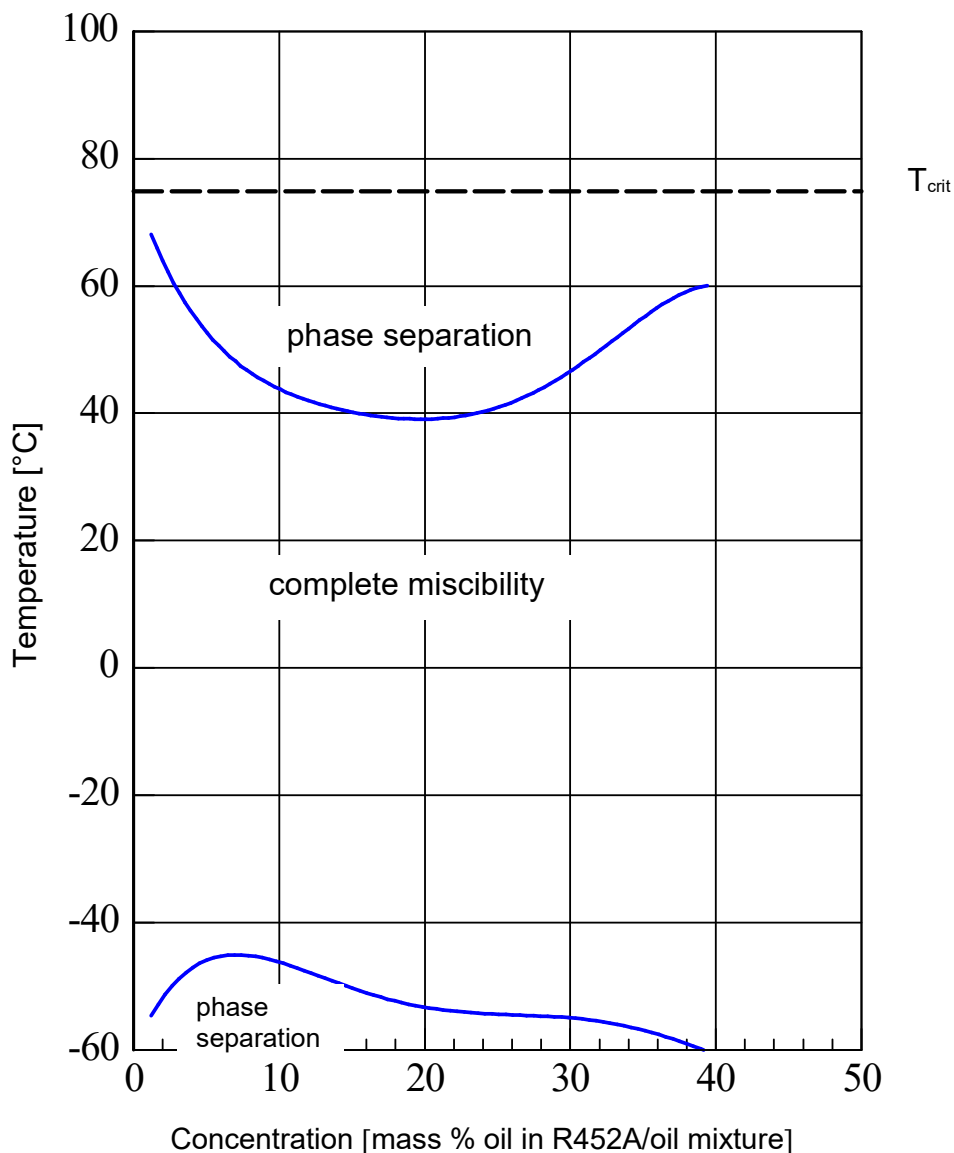


PI 4-1329, Page 19; PM 4 – 09.18

RENISO TRITON SE 55

**Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends**

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R452A

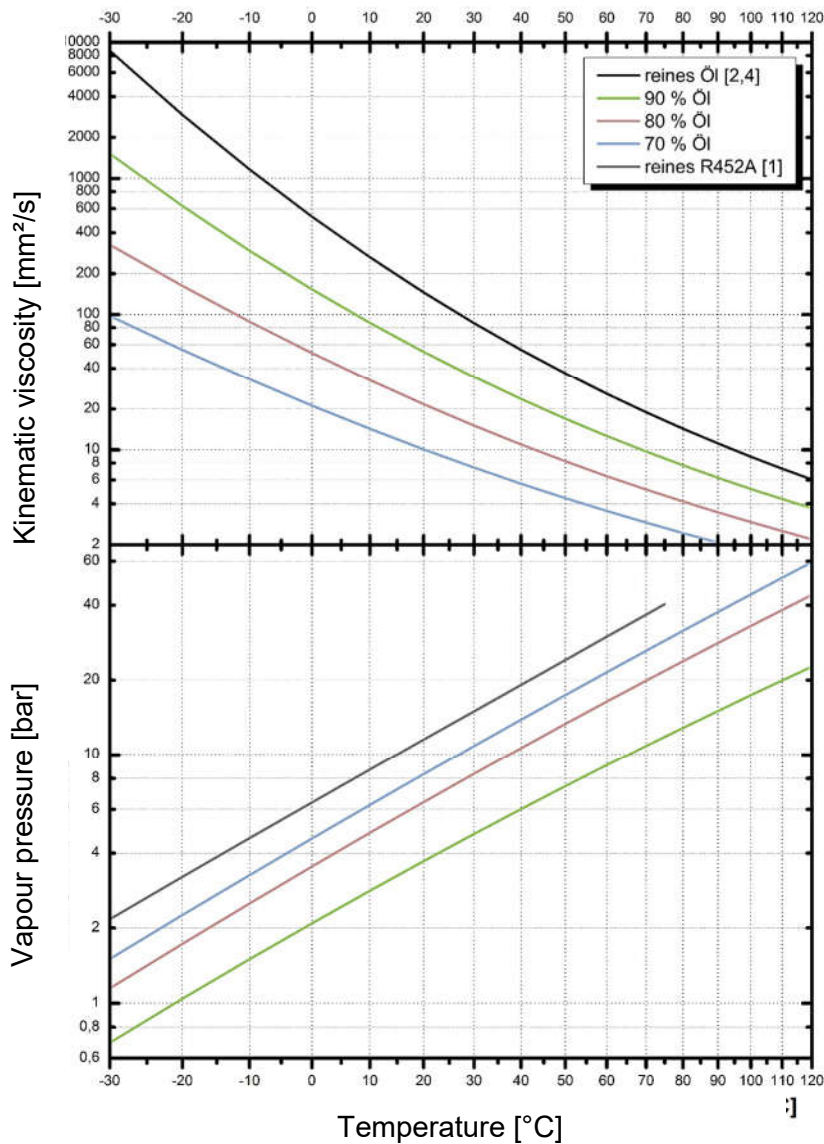


PI 4-1329, Page 20; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Kinematic viscosity and vapour pressure: RENISO TRITON SE 55 and R452A



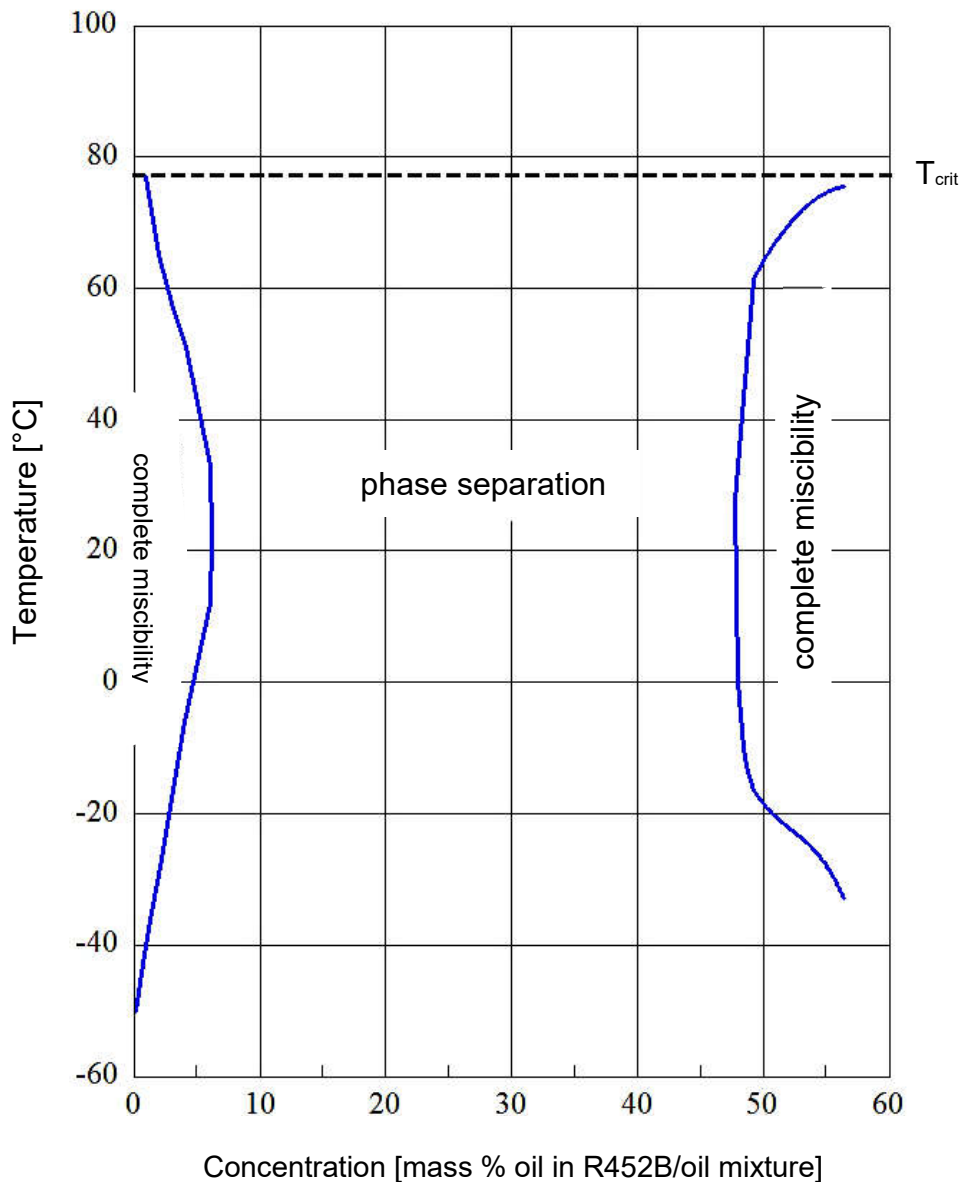
All % figures represent mass % oil in the refrigerant/oil mixture.

PI 4-1329, Page 21; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R452B

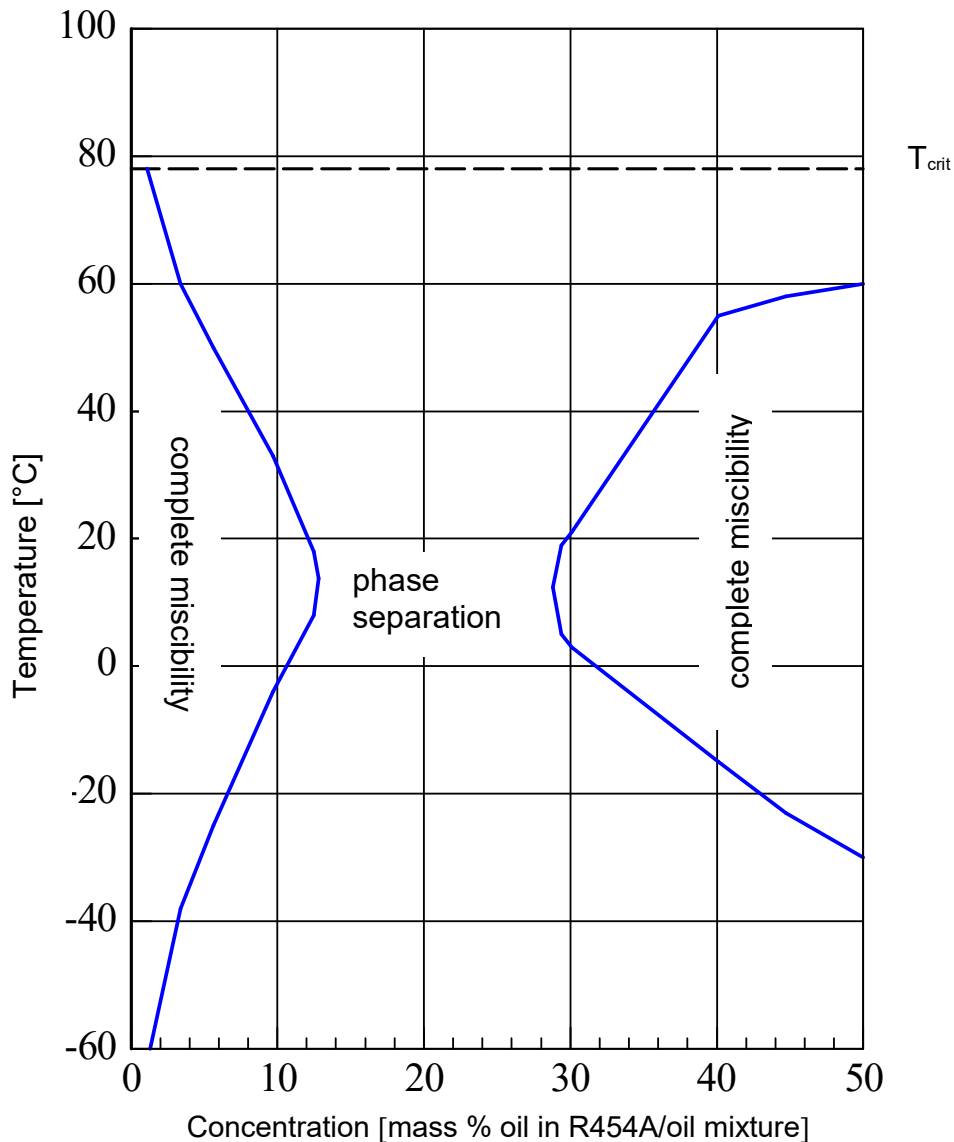


PI 4-1329, Page 22; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R454A

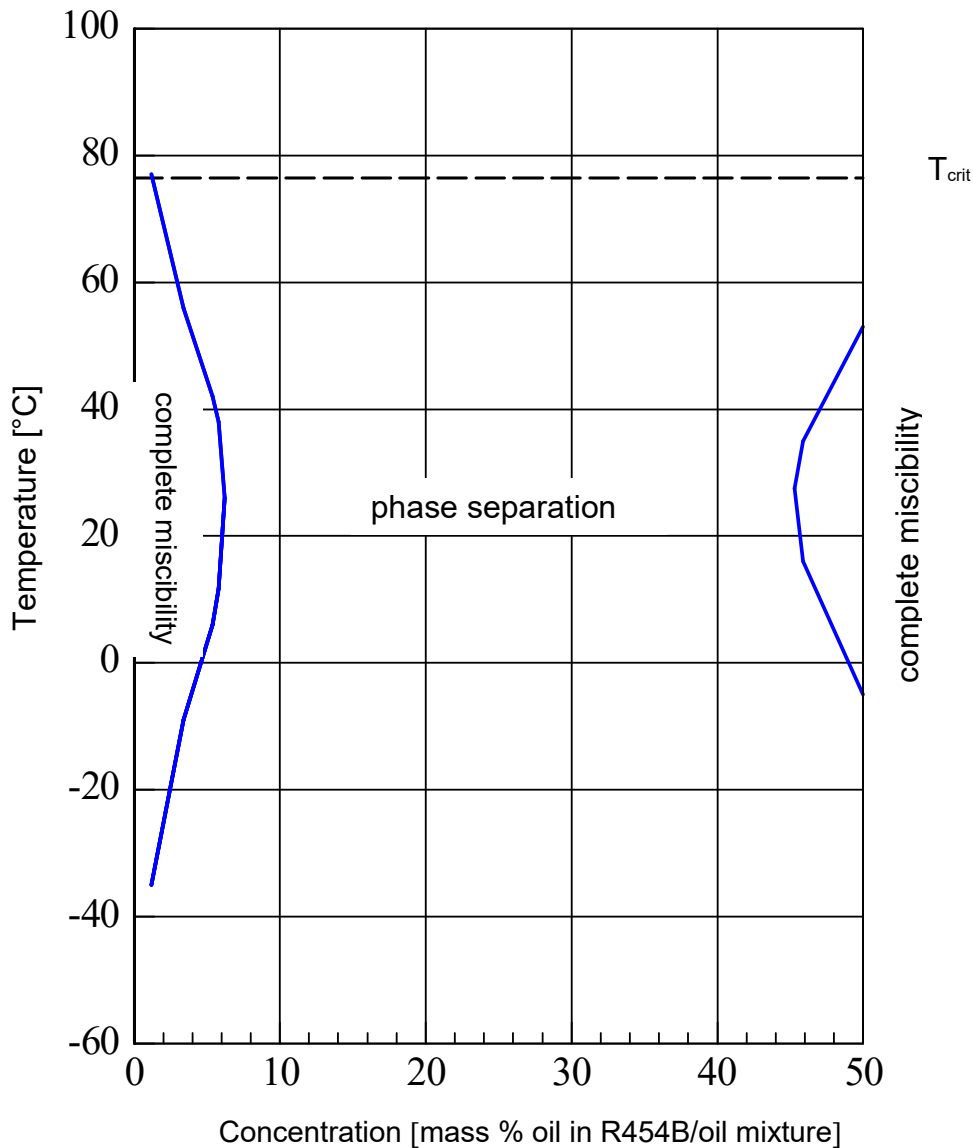


PI 4-1329, Page 23; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R454B

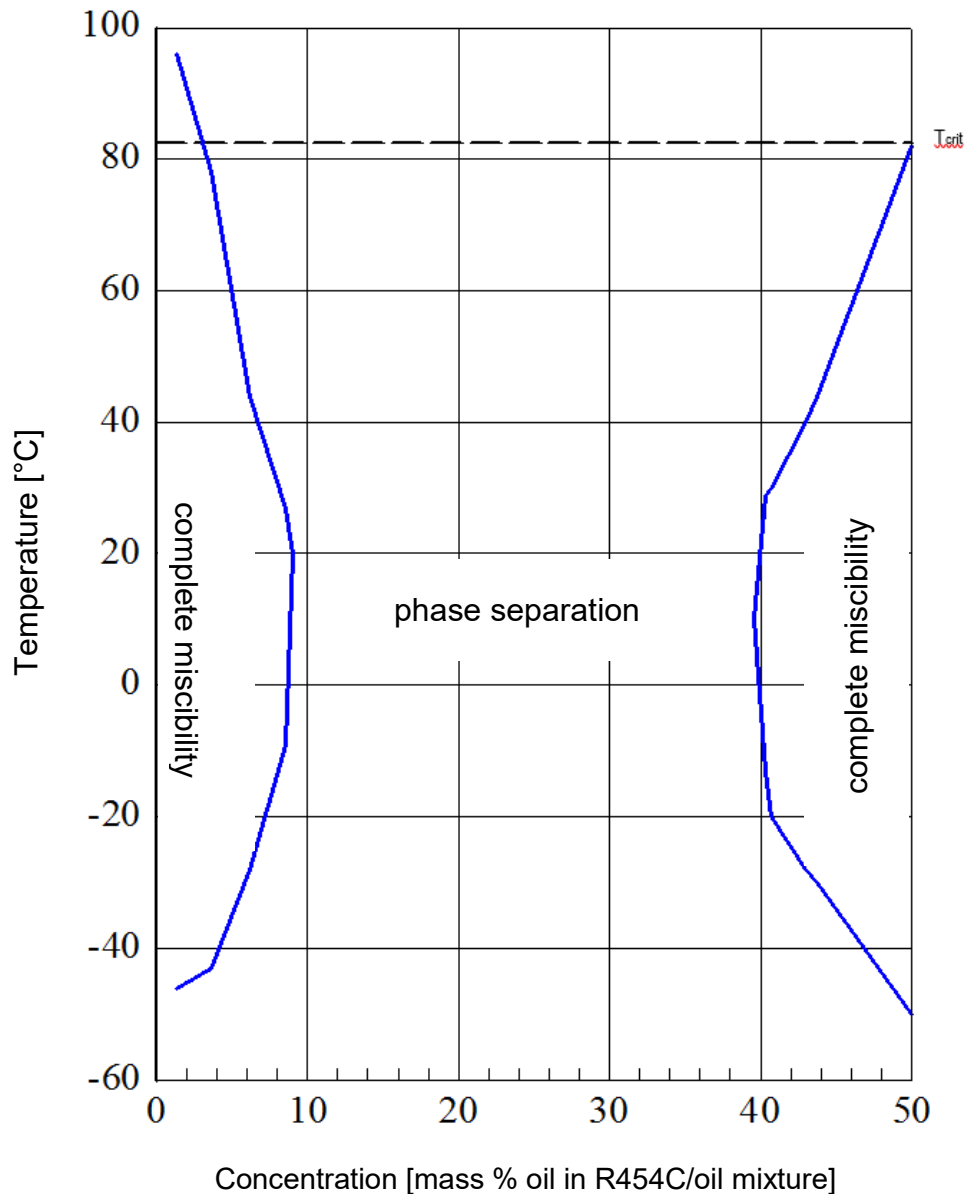


PI 4-1329, Page 24; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R454C

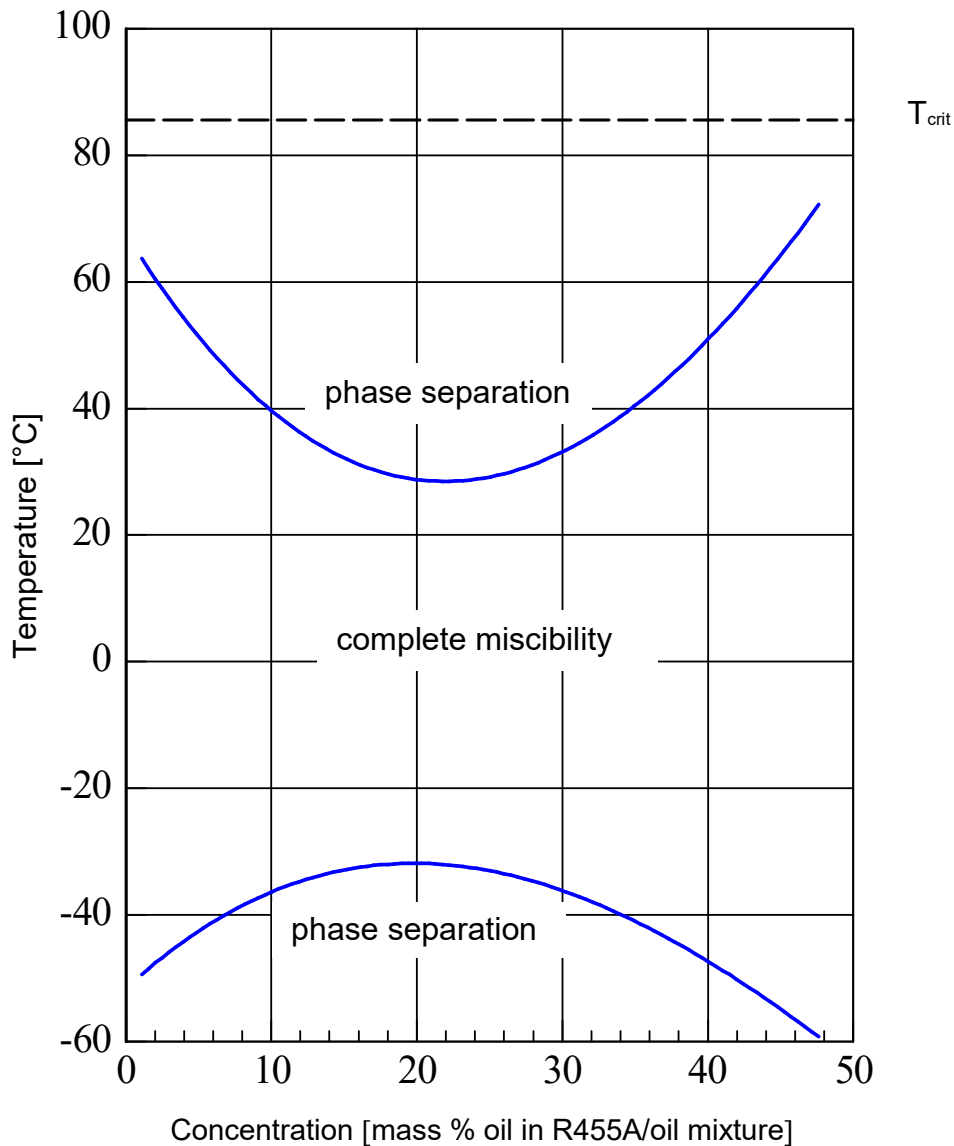


PI 4-1329, Page 25; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R455A

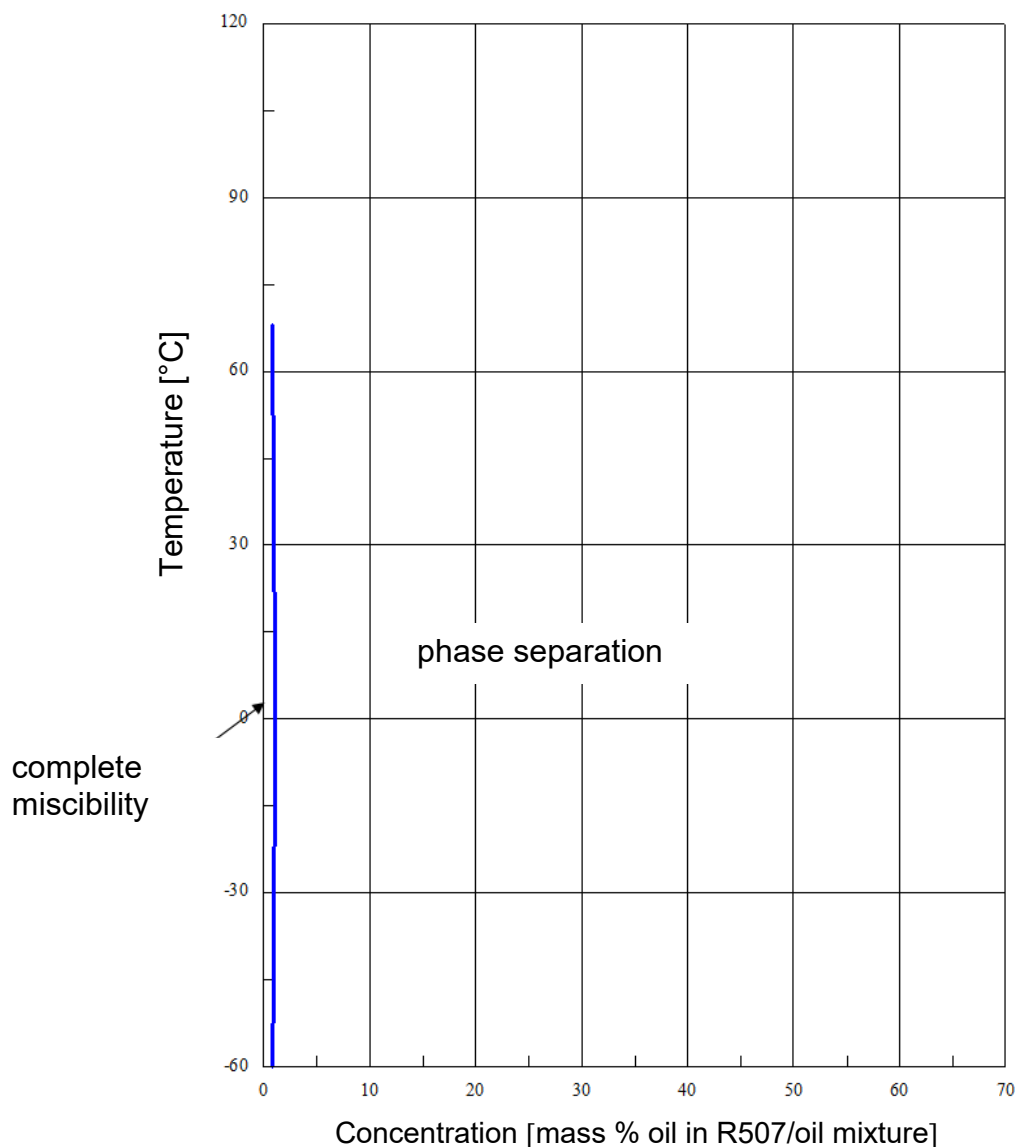


PI 4-1329, Page 26; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R507

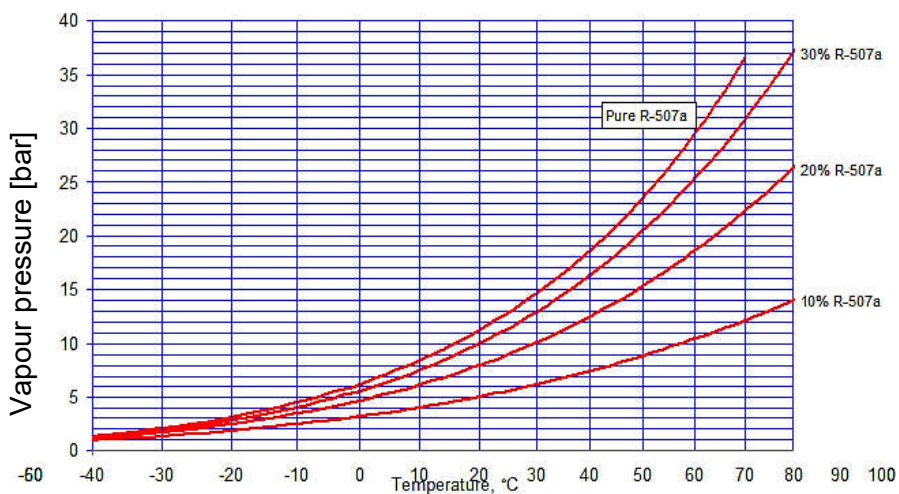
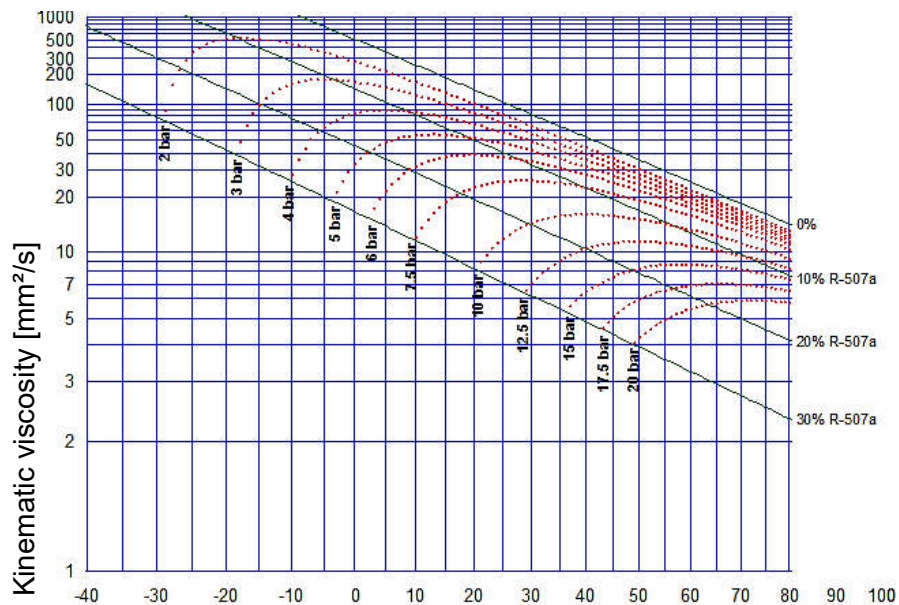


PI 4-1329, Page 27; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Kinematic viscosity and vapour pressure: RENISO TRITON SE 55 and R507



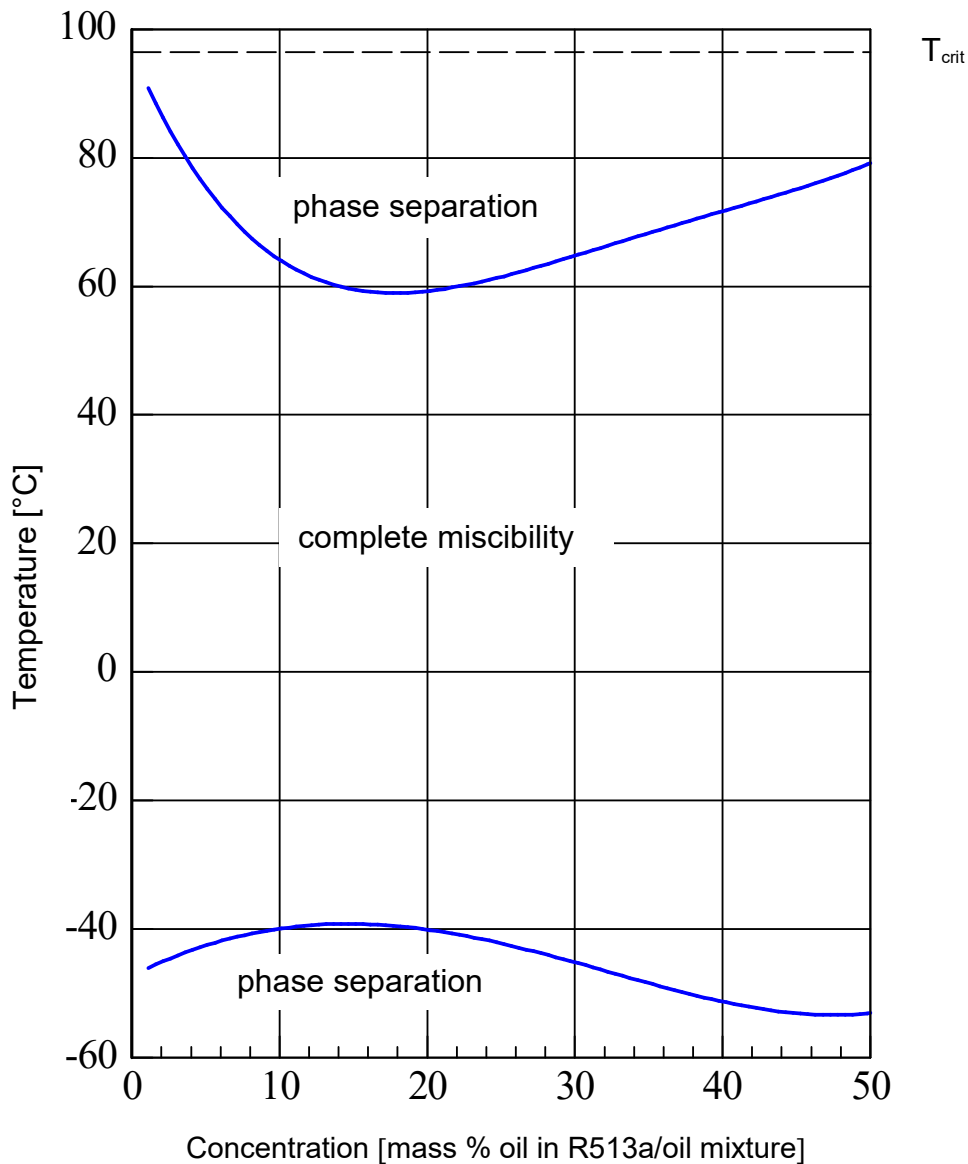
All % figures represent mass % refrigerant in the refrigerant/oil mixture.

PI 4-1329, Page 28; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R513a

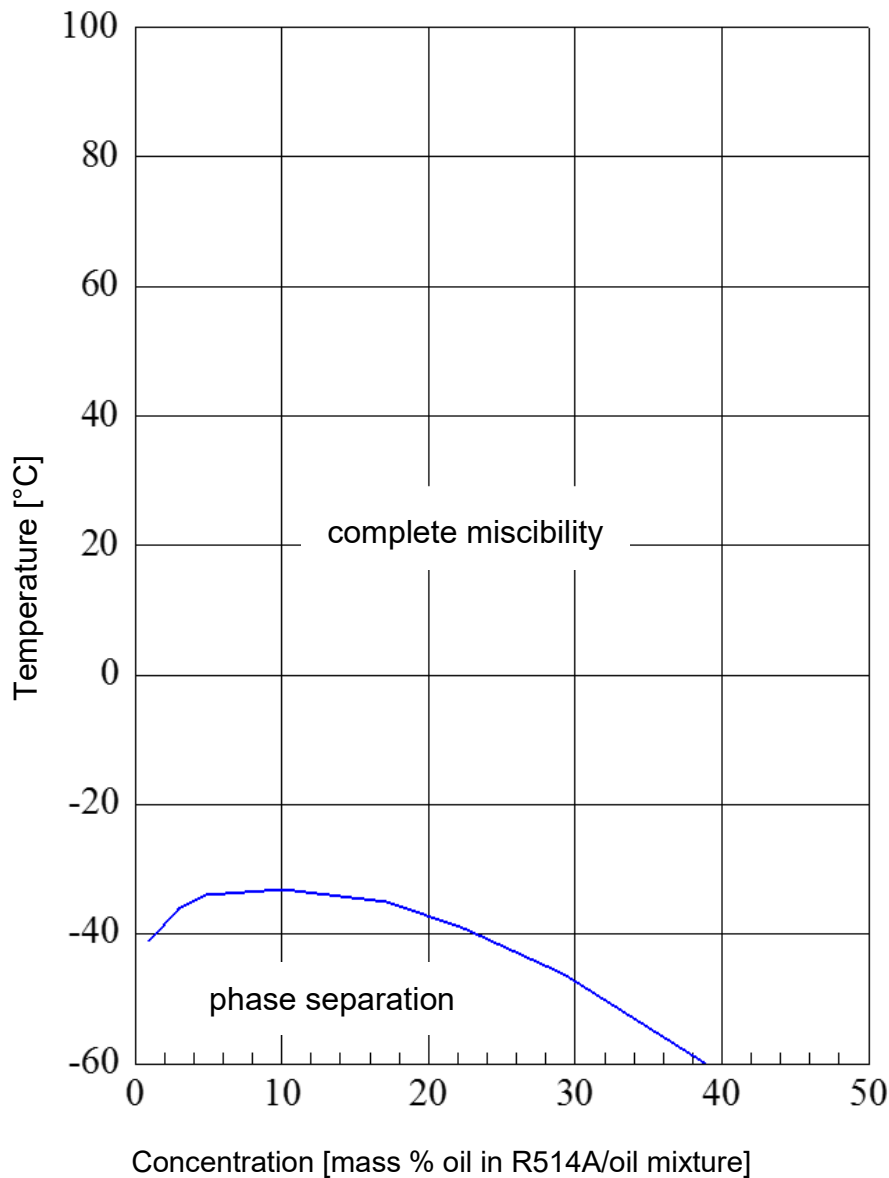


PI 4-1329, Page 29; PM 4 – 09.18

RENISO TRITON SE 55

**Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends**

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R514A

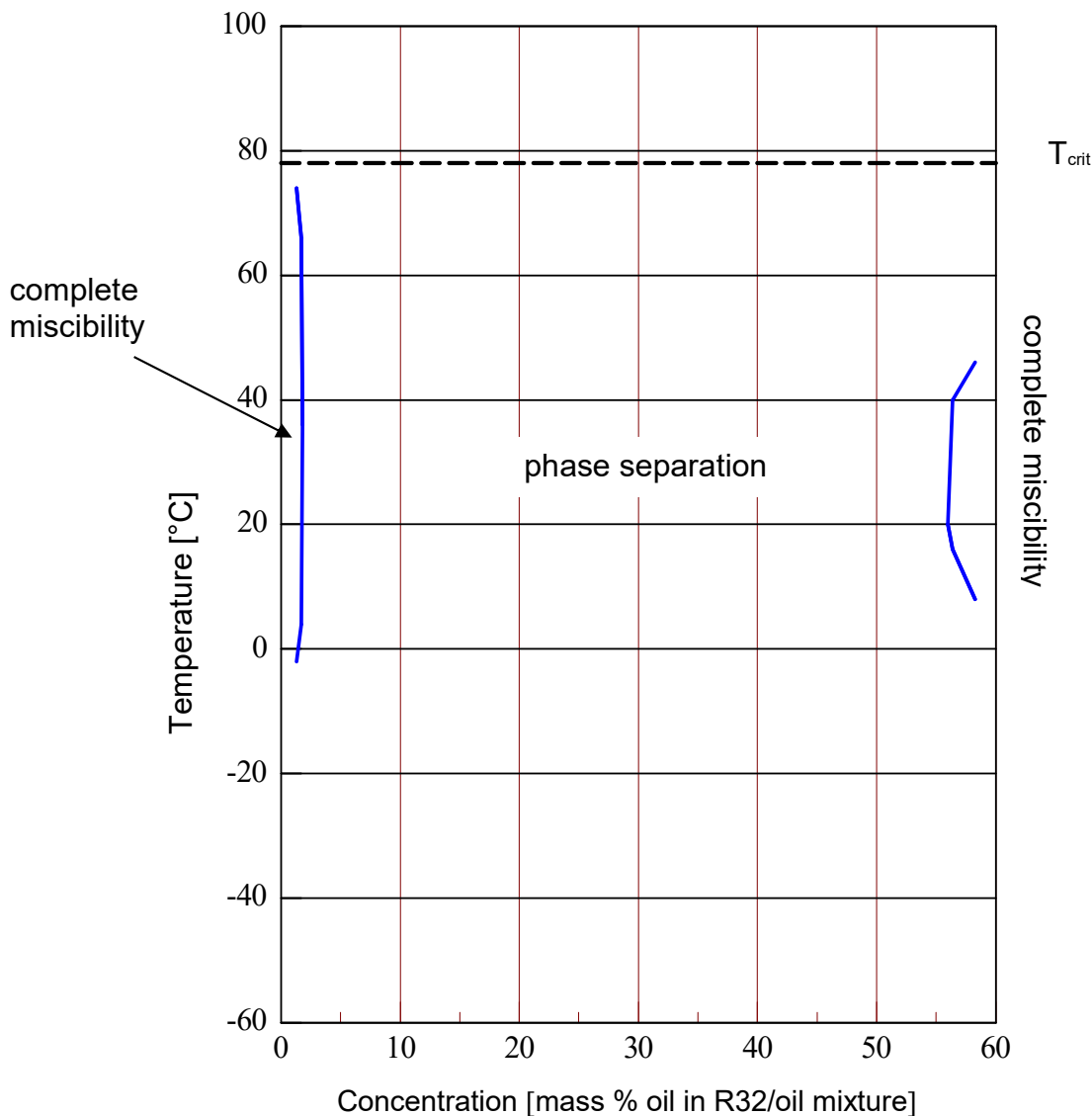


PI 4-1329, Page 30; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R32

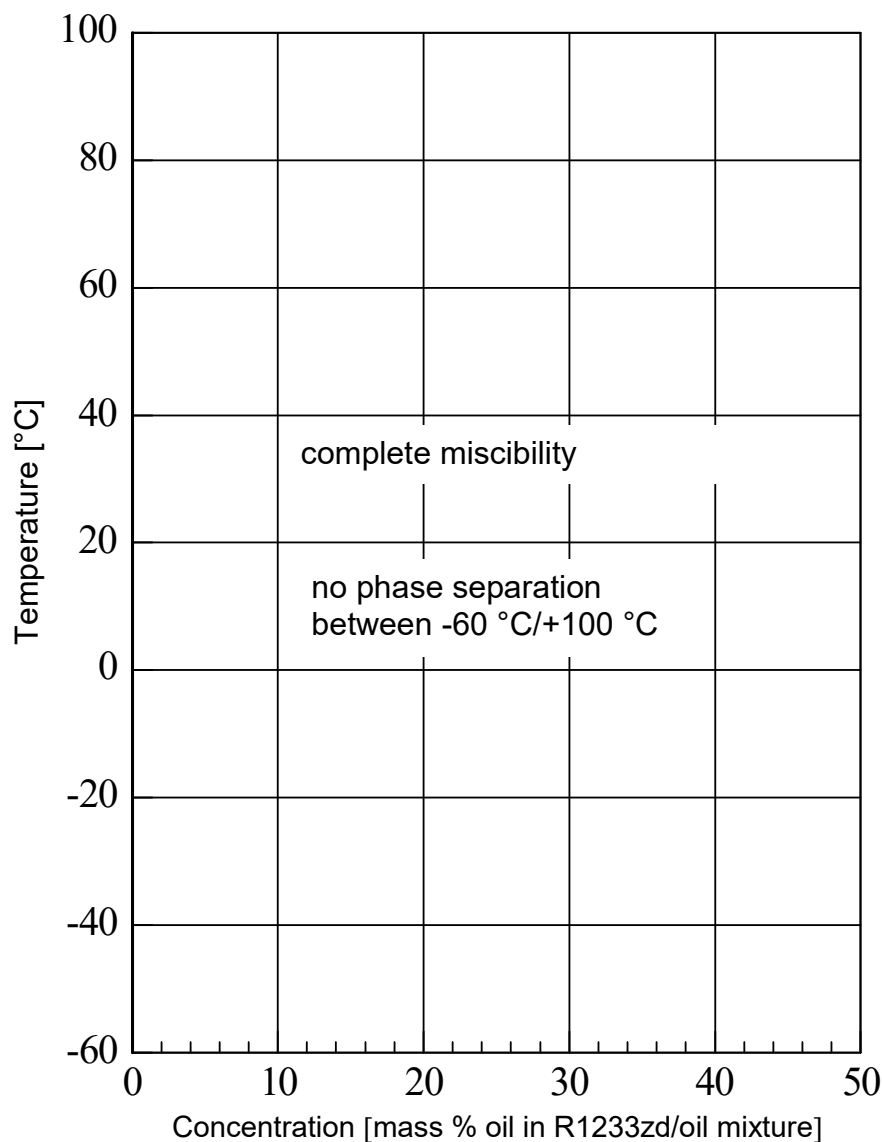


PI 4-1329, Page 31; PM 4 – 09.18

RENISO TRITON SE 55

**Synthetic refrigeration oil based on polyol esters (POE)
for HFC/FC and HFO refrigerants – including HFO/HFC
refrigerant blends**

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R1233zd

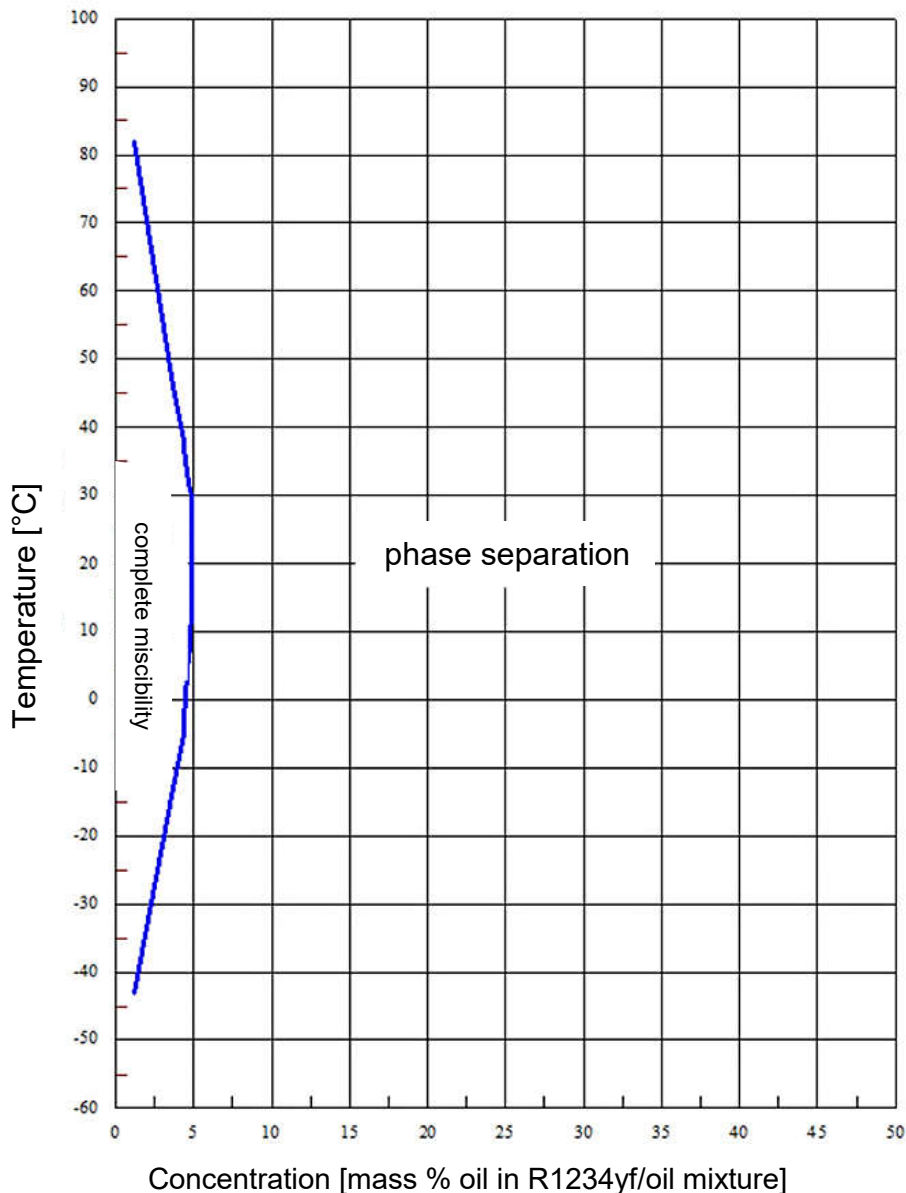


PI 4-1329, Page 32; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R1234yf

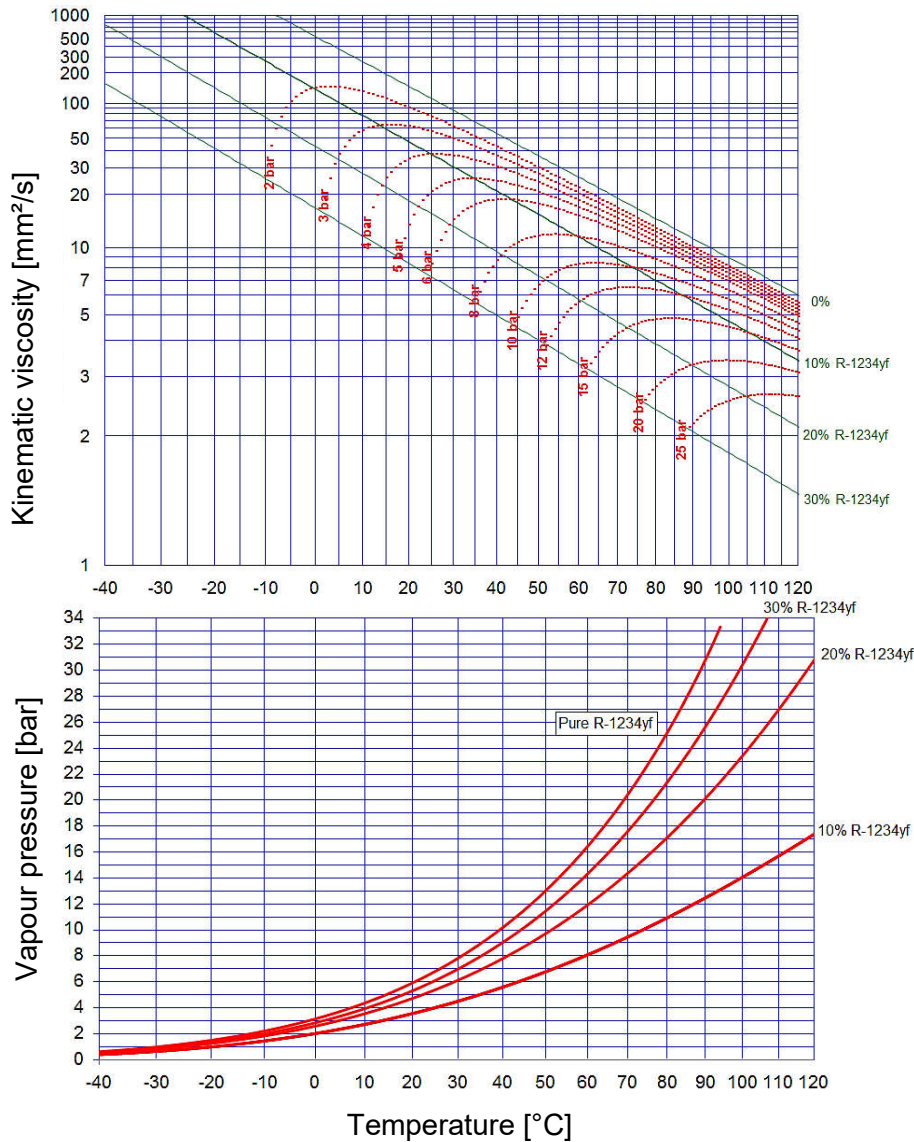


PI 4-1329, Page 33; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Kinematic viscosity and vapour pressure: RENISO TRITON SE 55 and R1234yf



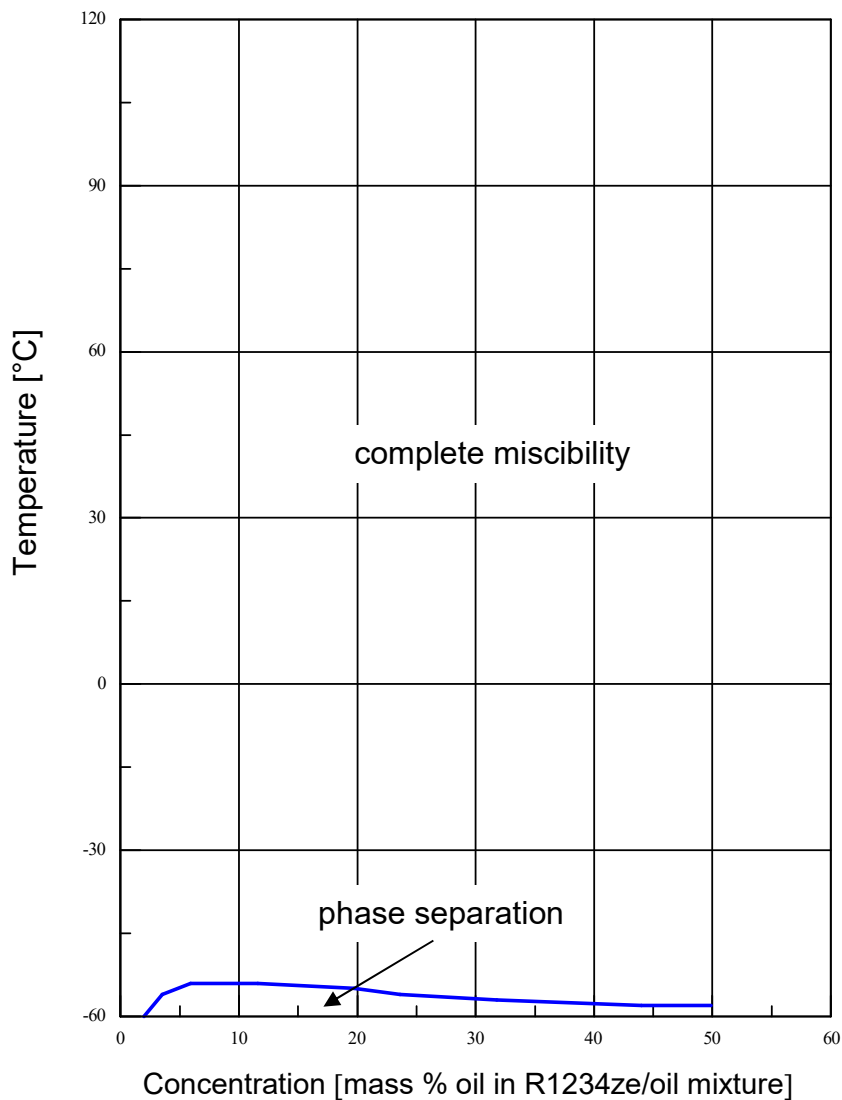
All % figures represent mass % refrigerant in the refrigerant/oil mixture.

PI 4-1329, Page 34; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Miscibility behaviour (miscibility gap): RENISO TRITON SE 55 and R1234ze

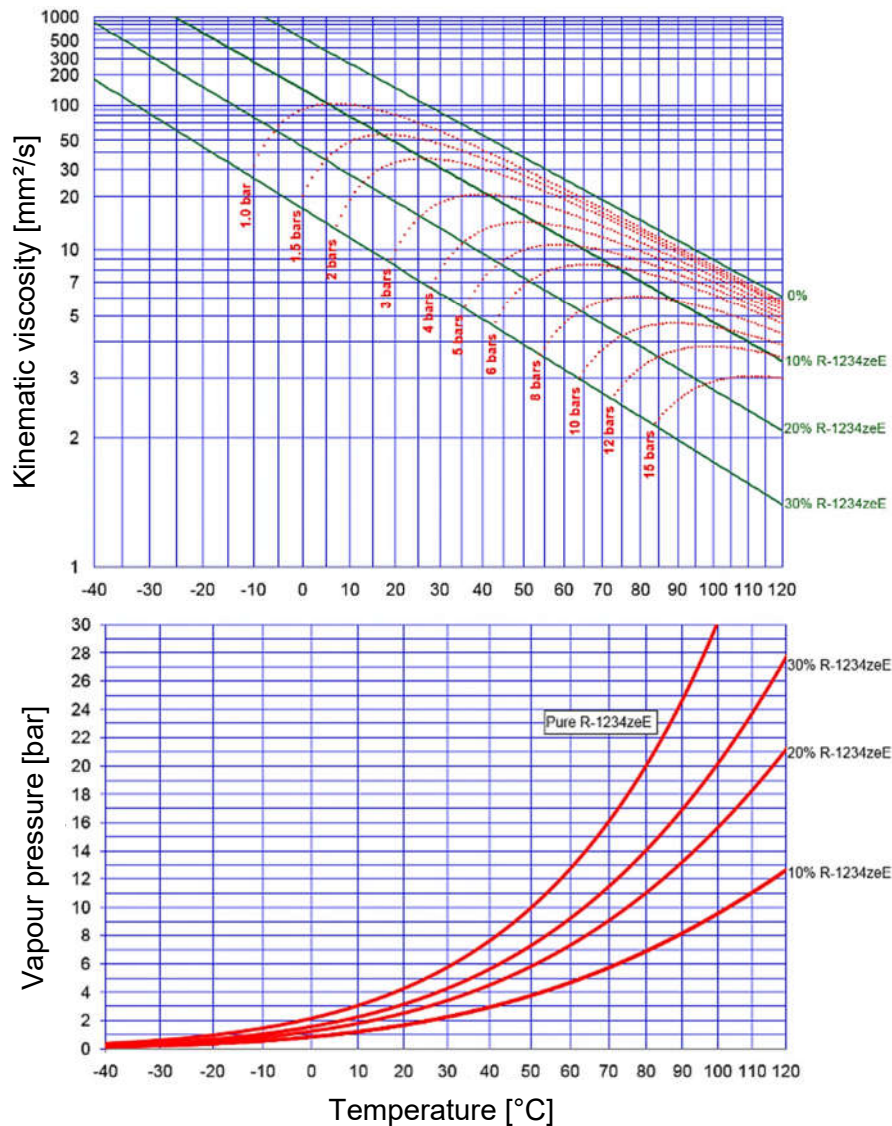


PI 4-1329, Page 35; PM 4 – 09.18

RENISO TRITON SE 55

Synthetic refrigeration oil based on polyol esters (POE) for HFC/FC and HFO refrigerants – including HFO/HFC refrigerant blends

Kinematic viscosity and vapour pressure: RENISO TRITON SE 55 and R1234ze



All % figures represent mass % refrigerant in the refrigerant/oil mixture.

PI 4-1329, Page 36; PM 4 – 09.18

Die Angaben in dieser Produktinformation beruhen auf den allgemeinen Erfahrungen und Kenntnissen der FUCHS SCHMIERSTOFFE GMBH in der Entwicklung und Herstellung von Schmierstoffen und entsprechen unserem heutigen Wissensstand. Die Wirkungsweise unserer Produkte ist von vielfältigen Faktoren abhängig, insbesondere vom konkreten Einsatzzweck, der Applikation der Produkte, den Betriebsbedingungen, der Bauteilvorbehandlung, eventuellem Schmutzanfall von außen, etc. Aus diesem Grund sind allgemeingültige Aussagen zur Funktion unserer Produkte nicht möglich. Unsere Produkte dürfen nicht in Flugzeugen oder Raumfahrzeugen verwendet werden. Zur Herstellung von Komponenten für Flugzeuge oder Raumfahrzeuge dürfen unsere Produkte verwendet werden, wenn sie vor der Montage in das Flugzeug oder Raumfahrzeug rückstandslos von den Komponenten entfernt werden. Die Angaben in dieser Produktinformation stellen allgemeine, nicht verbindliche Richtwerte dar. Keinesfalls beinhalten sie hingegen eine Zusicherung von Eigenschaften oder eine Garantie für die Eignung des Produkts für den Einzelfall.

Wir empfehlen daher, vor dem Einsatz unserer Produkte mit den Ansprechpartnern der FUCHS SCHMIERSTOFFE GMBH ein individuelles Beratungsgespräch über die Einsatzbedingungen in der Anwendung und die Leistungsmerkmale der Produkte zu führen. Dem Anwender obliegt es, die Produkte in der vorgesehenen Anwendung auf deren Funktionssicherheit zu testen und mit der gebotenen Sorgfalt einzusetzen.

Unsere Produkte werden kontinuierlich weiterentwickelt. Deshalb behalten wir uns das Recht vor, das Produktprogramm, die Produkte und deren Herstellungsprozesse sowie alle Angaben in dieser Produktinformation jederzeit und ohne Vorankündigung zu ändern, sofern keine kundenspezifischen Vereinbarungen existieren, die dem entgegenstehen. Alle früheren Veröffentlichungen verlieren mit Erscheinen dieser Produktinformation ihre Gültigkeit.

Vervielfältigungen jeder Art und Form bedürfen der vorherigen schriftlichen Genehmigung der FUCHS SCHMIERSTOFFE GMBH.

© FUCHS SCHMIERSTOFFE GMBH. Alle Rechte vorbehalten.