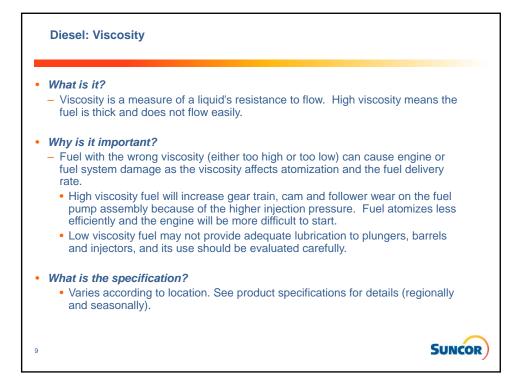
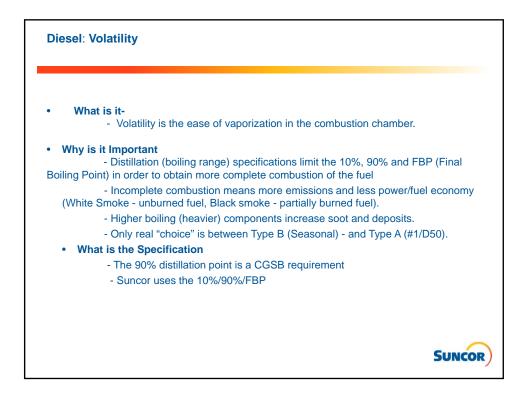
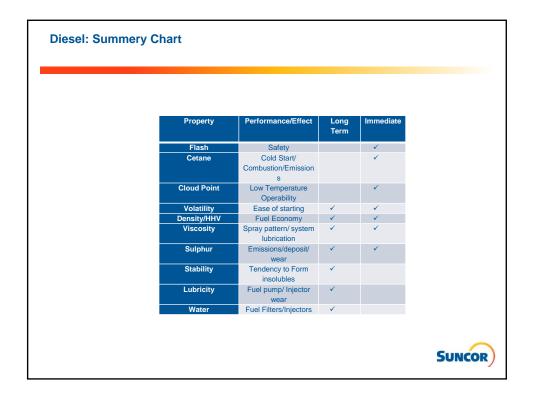
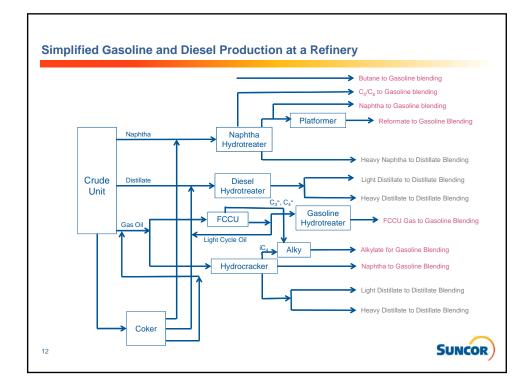


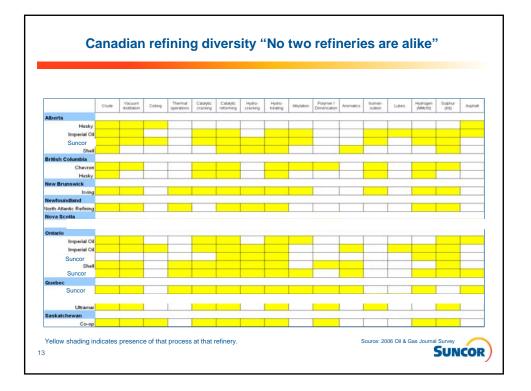
Diesel: Flash Point
• What is it?
<ul> <li>The lowest temperature at which a volatile material can vaporize to form an ignitable mixture in air</li> </ul>
Why is it important?
<ul> <li>It is used to help characterize the fire hazards so that it can be safely handled</li> </ul>
What is the specification?
<ul> <li>Specified by CGSB</li> </ul>
<ul> <li>Minimum flash point of diesel fuel in Canada is 40 °C</li> </ul>
<ul> <li>Specified by Suncor</li> </ul>
<ul> <li>Minimum flash point of diesel fuel at the Manufacturing facility is higher (typically 45 - 65 °C); however the specification at the Terminals is 43 °C, to guarantee a flash of 40 °C at point of sale</li> </ul>
<ul> <li>To account for any contamination with gasoline that occurred during movement of product from the refinery to the consumer.</li> </ul>
8 SUNCOR

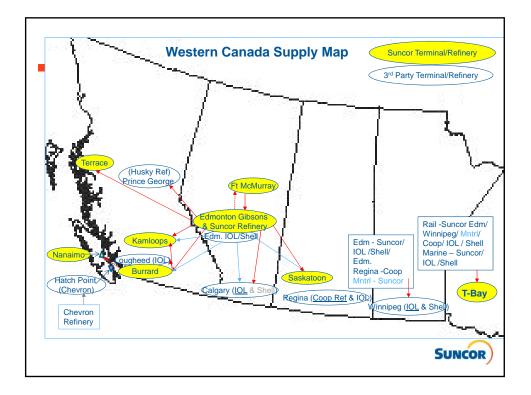


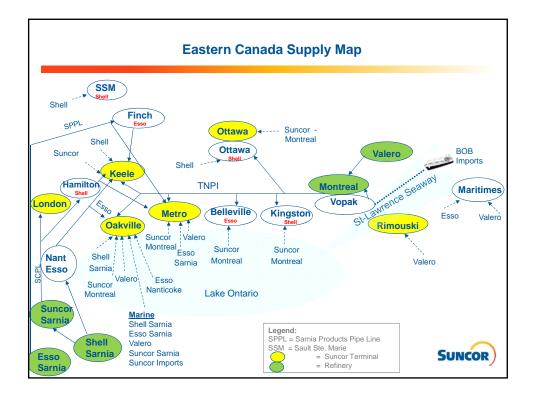












Density Int/	Diesel	FAME	Renewable
Density, kg/L	0.84 - 0.86	0.88	0.77-0.79
Energy Content., MJ/L	35.7 - 36.7	32.7	34.4
Cloud Point, °C	055	153	-540
Flash Point, °C	68 - 94	108 - 150	>61
Distillation FBP , °C	307-352	340 - 355	265-330
Viscosity, cSt @ 40 C	2.04 - 3.23	4.0 - 5.0	2.00-4.00
Sulphur, ppm	1 - 10	1 - 8	<5
Cetane Number	41- 48	48-65	70-90
Stability	Good	Marginal*	Good
Oxygen Content, %	0	11	0
Lubricity	Good*	Excellent	Good*

