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	CAN	мет м	∕lining	and I	Miner	al Scie	ences l	.abora	atories		
	Diesel	-Re	elat	ed	Fi	res					
	 Most di spilled (exhaus 	esel- or lea st sys	-relat aking stem	ed fii i fuel , etc.	res ir ignit)	o Ont ing c	ario o n a h	occur ot su	[,] due irface	to ,	1
	Cause of Fires	Figure 1:	1988	1989	1990	ndergroun	d Mines (1) 2004	2005	2006	2007	
	Refuelling – spill on engine, vent spray from fast fill systems	5	2	1	3	1	1	1	2	1 (3)	
	Fuel lines – loose fittings, worn hoses, rupture	2	3	3	1			8 (2)	1		
	Fuel Tank – cracked, cap leak	1				1		1			
	Fuel Pump – loose connection				1		1				
	Fuel Filter – cracked					1					
		Informatio fuel	on gathered Is with lower	when lookii r flash	ng at on hig	hway	Informatio min	n from repo es	orts submitte	d by	4
*	Natural Resources Res Canada Car	sources ada	naturelle	S					Car	adä	







Table 1 CAN/CGSB-3.517 & CAN/CGSB-3.520 Biodiesel Blend (B1-B5) Specifications							
Property	Value	Test Method					
Flash point, min	> 40°C	D 93 or D 3828					
Water and sediment, max	0.05% vol	D 1796 (mod.) or D 2709					
Distillation T90, max	Type A: 290.0°C Type B: 360.0°C	D 86					
Kinematic viscosity	Type A: 1.30 - 3.60 mm ² /s Type B: 1.70-4.10 mm ² /s	D 445					
Ash, max	0.010% wt	D 482					
ulfur, max 0.05% wt		D2622 or D5453 or CAN/CGSB-3.0 No. 16.0					
Cooper strip corrosion, max	No. 1	D 130					
Cetane number, min	40.0	D 613					
Electrical conductivity, min	25 pS/m	D 2624					
Low-temperature flow, one of: - cloud point - wax appearance point - LTFT	Location & season dependant	D 2500 or D 5773 D 3117 CAN/CGSB-3.0 No. 140.1					
Carbon residue, max	Type A: 0.10% wt Type B: 0.16% wt	D 4530					
	A 40	D 074					

MDEC 2008





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