

Characteristics	Unit	Limit	Category ISO-F-				Test method reference	
			DMX	DMA	DMZ	DMB		
Kinematic viscosity at 40 °C	mm ² /s	max.	5,500	6,000	6,000	11,00	ISO 3104	
		min.	1,400	2,000	3,000	2,000		
Density at 15 °C	kg/m ³	max.	---	890,0	890,0	900,0	ISO 3675 or 12185	
Cetane index	---	min.	45	40	40	35	ISO 4264	
Sulfur	mass %	max.	1,00	1,50	1,50	2,00	ISO 8754 or 14596	
Flash point	°C	min.	43,0	60,0	60,0	60,0	ISO 2719	
Hydrogen sulfide	mg/kg	max.	2,00	2,00	2,00	2,00	IP 570	
Acid Number	mg KOH/g	max.	0,5	0,5	0,5	0,5	ASTM D664	
Total sediment by hot filtration	mass %	max.	---	---	---	0,10	ISO 10307-1	
Oxidation stability	g/m ³	max.	25	25	25	25	ISO 12205	
Carbon residue: micro method on the 10 % volume distillation residue	mass %	max.	0,30	0,30	0,30	---	ISO 10370	
Carbon residue: micro method	mass %	max.	---	---	---	0,30	ISO 10370	
Cloud point	°C	max.	-16	---	---	---	ISO 3015	
Pour point (upper)	winter quality	°C	max.	---	-6	-6	0	ISO 3016
	summer quality	°C	max.	---	0	0	6	ISO 3016
Appearance	---	---	Clear and bright				---	
Water	volume %	max.	---	---	---	0,30	ISO 3733	
Ash	mass %	max.	0,010	0,010	0,010	0,010	ISO 6245	
Lubricity, corrected wear scar diameter (wsd 1,4) at 60°C	µm	max.	520	520	520	520	ISO 12156-1	

