

CHASE International Exports Ltd.

CERTIFICATE OF ANALYSIS

4 cST

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Appearance at 20 °C ¹	Visual				B&C
Color ASTM	ASTM D 1500	-		L0.5	L 0.5
Density at 15°C	ASTM D 4052	kg/L			0.8340
Water Karl Fischer	ASTM D 6304	mg/kg			11
Kinematic Viscosity	ASTM D 445				
Kinematic Viscosity at 40°C		mm ² /s			18.97
Kinematic Viscosity at 100°C		mm ² /s	4.15	4.35	4.216
Viscosity Index	ASTM D 2270	-	127		129
Flash point (COC)	ASTM D 92	°C	200		224
Sulphur (S)	ASTM D 5453	mg/kg		30	<1
App. Viscosity at -30°C (CCS)	ASTM D 5293	mPa.s			1390
Pour point	ASTM D 97	°C		-15	-21
Noack Evaporation Loss	ASTM D 5800				
Noack Evaporation Loss - Method B		mass %		15	13.2
Total Acid Number	ASTM D 974	mg KOH/g			0.058

Test comments:

Pour point (ASTM D 97): Test result has been obtained from Vessel's composite sample prior to discharge

Noack Evaporation Loss (ASTM D 5800): Test result has been obtained from Vessel's composite sample prior to discharge

Total Acid Number (ASTM D 974): Test result has been obtained from Vessel's composite sample prior to discharge

CHASE INTERNATIONAL EXPORTS LTD.


Authorized Signature

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