

TO :
 ATTN.:
 12/SEP/2010
 VERITAS FUEL QUALITY TESTING PROGRAM

VESSEL : BBBB
 VPS SAMPLE NO. 2966718

 SAMPLE TYPE (HFO)
 BUNKER PORT HOUSTON
 BUNKER DATE 10/SEP/10
 SENT FROM HOUSTON
 DATE SENT 10/SEP/10
 ARRIVED AT LAB 11/SEP/10
 SUPPLIER B

RECEIPT DATA

 DENSITY @ 15 C 990.0 KG/M³
 VISCOSITY @ 50 C 370 CST

TEST RESULTS 2966718 H35 SPEC UNITS

 DENSITY @ 15 C 994 KG/M³
 VISCOSITY @ 50 C 419 CST
 WATER 0.2 % V/V
 MICRO CARBON RESIDUE 16.4 22.0 % M/M
 SULPHUR 3.10 3.50 % M/M
 TOTAL SEDIMENT, POTENTIAL 0.01 0.10 % M/M
 ASH 0.06 0.20 % M/M
 VANADIUM 270 600 MG/KG
 SODIUM 40 MG/KG
 ALUMINIUM + 46 MG/KG
 SILICON 70 MG/KG
 IRON 10 MG/KG
 NICKEL 15 MG/KG
 CALSIUM 40 MG/KG
 MAGNESIUM 6 MG/KG
 LEAD 4 MG/KG
 ZINC 35 MG/KG
 FLASH POINT ABOVE 70 60 DEG C

CALCULATED VALUES

NET SPECIFIC ENERGY 40.06 MJ/KG
 CCAI (IGNITION QUALITY) 854
 ALUMINIUM + SILICON 116 60