

Report No. OGC01463/2011/B

Dated : 01 July 2011

CERTIFICATE OF QUALITY

VESSEL	:	"BOW SAILOR"
DESCRIPTION OF GOODS	:	RUBBER PROCESS OIL (2535)
LOADING PORT	:	RAYONG, THAILAND
SOURCE	:	Shoretank No. 61T075B before loading on 28 June 2011
SAMPLE DRAWN AND SUBMITTED BY	:	SGS-Oil, Gas & Chemicals Inspectors
SAMPLES TESTED AT	:	IRPC laboratory and test observation by SGS

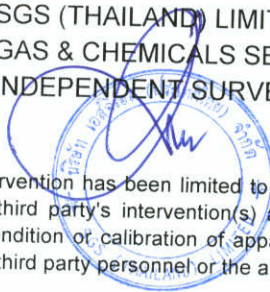
The following results were those obtained in the laboratory indicated above.

TESTS NAME	UNITS	TESTED	RESULTS
Density @ 15 deg C	g/cm ³	ASTM-D4052	1.0223
Flash Point, COC	deg C	ASTM-D92	264
Kinematic Viscosity @ 40 deg C	cSt	ASTM-D341	1321
Kinematic Viscosity @ 100 deg C	cSt	ASTM-D445	28.29
Pour Point	deg C	ASTM-D97	+30
Aniline Point	deg C	ASTM-D611	36.25
Sulphur Content	%wt	ASTM-D4294	5.01
Water Content	%vol	ASTM-D95	Nil
Total Acid Number	mgKOH/g	ASTM-D664	0.01
Refractivity Index @ 20 deg C	-	Exxon	1.58296
Refractivity Intercept	-	Exxon	1.073
Viscosity Gravity Constant	-	Exxon	0.978
Aromatic Test	%	ASTM D 2007	82.5

NOTE :

- 1) Precision parameters apply in the determination of above results. Also refer to ASTM D 3244-97, IP 367/96, ISO 4259:1992 and Appendix E of IP Standard Methods for analysis and testing, for utilization of test data to determine conformation with specification.
- 2) Test observation of this analysis was performed in accordance with the SGS OGC verification protocol.

SGS (THAILAND) LIMITED
 OIL, GAS & CHEMICALS SERVICES
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