

**PRELIMINARY INFORMATIVE SAMPLING AND ANALYSIS OF CARGO
READINESS**

GOODS DESCRIBED AS : ASPHALT CEMENT BITUMEN GRADE 60/70 PACKED IN DRUMS

DECLARED QUANTITY : 1100 DRUMS EACH OF ABOUT 180 KG CAPACITY

CLIENT / ACCOUNT : TIGER CEMENT COMPANY
ASPHALT CEMENT BITUMEN PRODUCTS DEPARTMENT
PLOT NO. 06, SECTOR B-X, MEHRAN AVENUE,
EXPORT PROCESSING ZONE, KARACHI - PAKISTAN

In accordance to the instructions received from client, we attended their advised location Karachi Export Processing Zone (EPZ Landhi) – Karachi on 15th January, 2020 to perform random sampling from the cargo tendered in drums and carry out the requested analyses on composite sample. The exercise carried out for informative basis and could not be considered for shipment purposes. Following are the details of our findings:

TENDERED CARGO : At the time of our intervention, cargo was tendered in 1100 drums (as advised by client) and laying in an open and covered area.

PACKING & GENERAL CONDITION : The cargo was in solid form and filled/packed in drums, mouth covered by lid. Apparently, the tendered drums were found in sound condition.

MARKING : Following is the specimen of sticker was found pasted on the tendered drums,



Cont'd.... P/2

BO # 2012170
January 28, 2020

RANDOM SAMPLING

: Due to the limited access and constraint of resources, randomly only 10 drums were selected from the total tendered cargo for the collection of sample increments.

Apparently, the cargo inside drum was in compact/solid form and in order to collect the sample increments, client arranged heating process on the selected drums for melting of cargo from limited portions.

Upon completion of sampling exercise, all the collected sample increments were mixed and reduced at sampling site to obtain a composite sample in 05 sets, preserved in metal container, kept in double WPP bag, duly labeled, sealed and brought to SGS Karachi office.

SAMPLE DISTRIBUTION

: Following is the distribution of prepared composite samples,

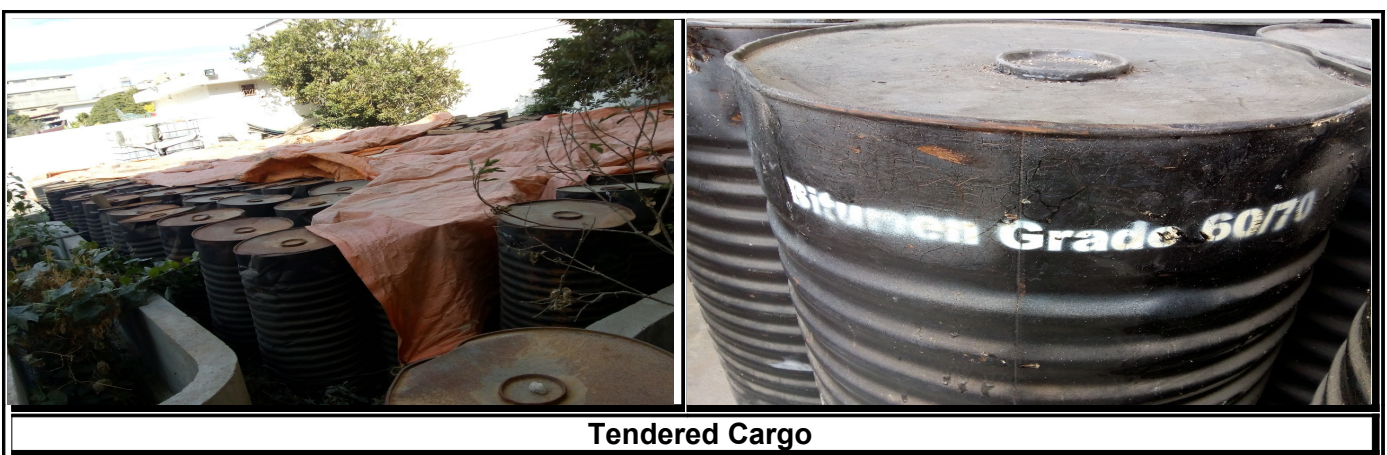
- One set of sealed sample submitted in subcontracted lab for the analysis of client requested parameters as tabulated below.
- Two set of sealed samples reserved for client's record purposes with SGS for the period of one month from the date of sampling, unless otherwise instructed.
- Two set of sealed samples retained with SGS for the period of One month only from the date of sampling, unless otherwise instructed.

ANALYSIS RESULT

: Analysis result obtained from subcontracted lab are reproduced as under,

Sr. #	Test Parameter	Test Method	Test Result
01	Penetration @ 25 °C, 100gm, 5 Sec., 1/10mm	ASTM D-5	60
02	Softening Point (R & B), °C	ASTM D-36	53
03	Ductility @ 25 °C, 5cm / min, cm	ASTM D-113	>100
04	Flash Point (COC), °C	ASTM D-92	348

PHOTOGRAPH : Photographs taken during our intervention are given as under,
Y



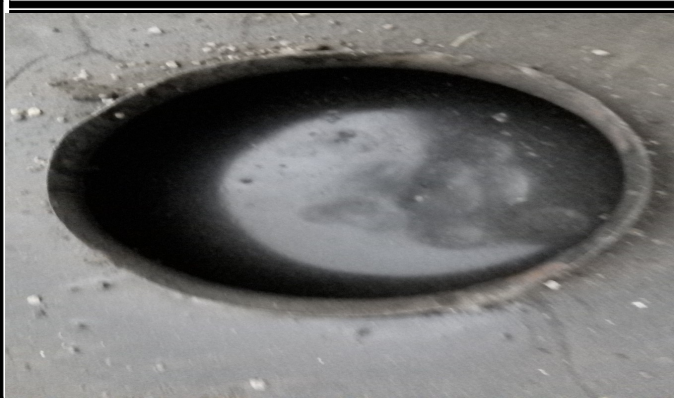
Tendered Cargo

Cont'd.... P/3

PHOTOGRAPHS TAKEN DURING OUR INTERVENTION



Random Selection of Drums



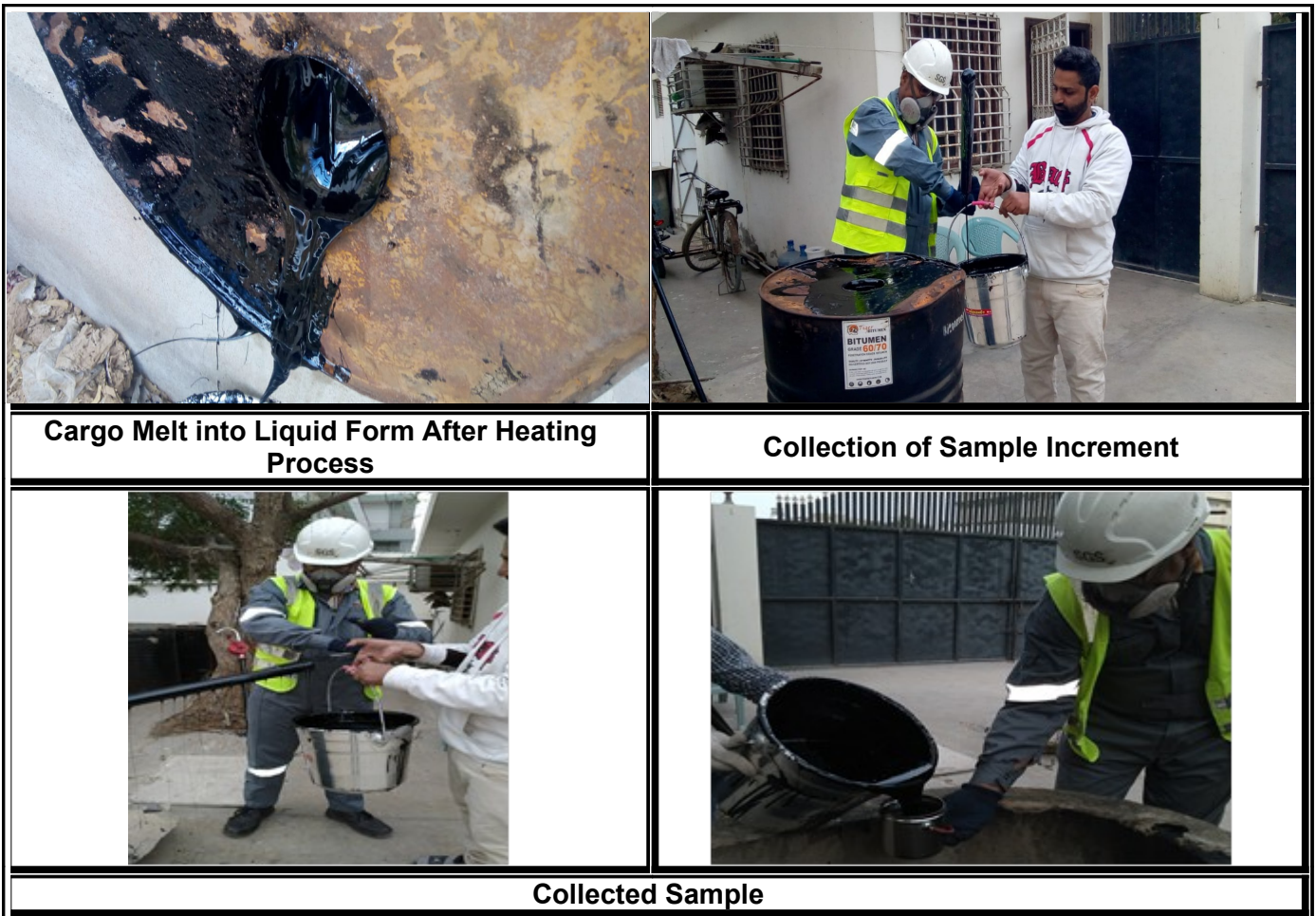
Cargo Inside Drums in Solid Form



Selected Drum Heating Process

Cont'd.... P/4

PHOTOGRAPHS TAKEN DURING OUR INTERVENTION



Cargo Melt into Liquid Form After Heating Process

Collection of Sample Increment

Collected Sample

As per the instruction from the principal, SGS conducted the inspection for nominated cargo without performing container loading supervision. Therefore, the contents of this report only reflects our findings at the time, date and place of inspection and does not refer to any cargo that was dispatched/shipped from or will be received at any destination/port.

Due to limitations of sampling method and limited access to the entire volume of the cargo, the samples collected will not be representative of entire cargo but only that part accessible and sampled. SGS accepts no liability for the consequences of any action taken or not taken on the basis of this report". Our Inspection findings are at the time, date & place of our intervention only does not reflect any other matter and we do not undertake guarantee for congruence of results established at a later date.

The manual sampling method was agreed with the SGS Principal, as sampling by more reliable methods that provide probability samples was not possible. The Holder of this document is cautioned that collected MANUAL samples of this type do not satisfy the minimum requirements for probability sampling, and as such cannot be used to draw statistical inferences such as precision, standard error, or bias.

If the requirements of the client necessitate the analyses of samples by the client's or by any third party's laboratory (non SGS lab) the company will pass on the result of the analysis but without responsibility for its accuracy.

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