

Report Date: 20/04/2026

## Analysis Report: ST26-50860.001\_EN

BESTON GROUP CO.,LTD.  
NO.905, 9TH FLOOR, BLOCK A, NO.99 SOUTH UNIVERSITY  
ROAD. ERQI DISTRICT, ZHENGZHOU CITY, HENAN PROVINCE  
CHINA

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the below results. Users of analytical results, when establishing conformance with commercial or regulatory requirements should note the full provisions of ASTM D3244, IP 367 and ISO 4259 in that context, the default confidence level of petroleum testing having been set at the 95% confidence level. Your attention is specifically drawn to Sections 7.3.6, 7.3.7 and 7.3.8 of ASTM D3244. With respect to the UOP methods listed in the report below the user is referred to the method and the statement within it specifying that the precision statements were determined using UOP Method 999. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

The sample(s) and information was/were submitted and confirmed by the client or by a third party acting at the client's direction. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client. The findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample.

JOB ORDER NO. :	COBOCJ2600315-01BT	BOSS ORDER NO.:	--
SAMPLE SOURCE :	Supplied by Client	PRODUCT DESCRIPTION :	Oil - Tire Pyrolysis Oil (Light Fraction)
SAMPLE TYPE :	--	SAMPLE BY :	Client
SAMPLED :	--	RECEIVED :	09/04/2026
ANALYSED :	09/04/2026-16/04/2026	COMPLETED :	16/04/2026
SAMPLE OBTAIN WAY:	Logistics delivery to SGS	SAMPLE STATE:	Liquid in Plastic Bottle
CONTAINER:	1 X 1L Plastic Bottle		
REPORT COMMENT :	The test report shall only be used for clients' scientific research, teaching, internal quality control, product research, and development, etc., have no functions of social proof and just for internal reference.		

PROPERTY	METHOD	RESULT UNITS	MIN	MAX
Acid Number (Inflection end-point)	ASTM D664-24(Method A)	1.5 mg KOH/g	--	--
Elements in Residual Fuel Oil by ICP	IP 501/05(2019)			
Aluminium		<5 mg/kg	--	--
Calcium		<3 mg/kg	--	--
Phosphorus		<1 mg/kg	--	--
Silicon		<10 mg/kg	--	--
Vanadium		<1 mg/kg	--	--
Zinc		<1 mg/kg	--	--
Aluminium + Silicon		<15 mg/kg	--	--
Iron		<2 mg/kg	--	--
Sodium		<1 mg/kg	--	--
Nickel		<1 mg/kg	--	--
Potassium §		<1 mg/kg	--	--
Magnesium §		<1 mg/kg	--	--
Lead §		<1 mg/kg	--	--
Flash Point by PMCC	ASTM D93-26(Procedure A)	<40.0 °C	--	--
Density at 20°C	ASTM D4052-22	0.8824 g/cm <sup>3</sup>	--	--
Kinematic Viscosity at 40°C	ASTM D445-24	1.558 mm <sup>2</sup> /s	--	--
Kinematic Viscosity at 100 °C	ASTM D445-24	0.7482 mm <sup>2</sup> /s	--	--
Pour Point	ASTM D97-17b(2022)	<-57 °C	--	--
Chlorine	ASTM D6443-24	39 mg/kg	--	--
Gross Heat of Combustion	ASTM D240-25	43.385 MJ/kg	--	--

§ - Analyte not in published method scope

REPORTED BY

AUTHORISED SIGNATORY

Calvin Wang  
Chemist

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(Shanghai) Co., Ltd



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No.88 Pugong Road, Shanghai Chemical Industry Park, Shanghai, China, 201507

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 CHINA

PROPERTY	METHOD	RESULT UNITS	MIN	MAX
Net Heat of Combustion	ASTM D240-25	41.095 MJ/kg	--	--
Ash from Petroleum Products	ASTM D482-25			
Ash		<0.010 % (m/m)	--	--
Total Sulfur Content	ASTM D4294-24	1.20 % (m/m)	--	--
Boiling Range Distribution of Samples with Residues by High Temp. GC	ASTM D7169-23			
IBP		14.0 °C	--	--
5 %		72.0 °C	--	--
10 %		97.0 °C	--	--
20 %		117.0 °C	--	--
30 %		138.5 °C	--	--
40 %		160.0 °C	--	--
50 %		196.0 °C	--	--
60 %		225.0 °C	--	--
70 %		257.0 °C	--	--
80 %		311.5 °C	--	--
90 %		371.0 °C	--	--
95 %		418.0 °C	--	--
FBP		525.0 °C	--	--

----- End of Analytical Results -----

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## Analysis Report: ST26-50860.002\_EN

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JOB ORDER NO. :	COBOCJ2600315-01BT	BOSS ORDER NO.:	--
SAMPLE SOURCE :	Supplied by Client	PRODUCT DESCRIPTION :	Oil - Tire Pyrolysis Oil(Heavy Fraction)
SAMPLE TYPE :	--	SAMPLE BY :	Client
SAMPLED :	--	RECEIVED :	09/04/2026
ANALYSED :	09/04/2026-16/04/2026	COMPLETED :	16/04/2026
SAMPLE OBTAIN WAY:	Logistics delivery to SGS	SAMPLE STATE:	Liquid in Plastic Bottle
CONTAINER:	1 X 1L Plastic Bottle		
REPORT COMMENT :	The test report shall only be used for clients' scientific research, teaching, internal quality control, product research, and development, etc., have no functions of social proof and just for internal reference.		

PROPERTY	METHOD	RESULT UNITS	MIN	MAX
Acid Number (Inflection end-point)	ASTM D664-24(Method A)	2.8 mg KOH/g	--	--
Elements in Residual Fuel Oil by ICP	IP 501/05(2019)			
Aluminium		12 mg/kg	--	--
Calcium		83 mg/kg	--	--
Phosphorus		2 mg/kg	--	--
Silicon		49 mg/kg	--	--
Vanadium		<1 mg/kg	--	--
Zinc		52 mg/kg	--	--
Aluminium + Silicon		61 mg/kg	--	--
Iron		18 mg/kg	--	--
Sodium		3 mg/kg	--	--
Nickel		<1 mg/kg	--	--
Potassium §		3 mg/kg	--	--
Magnesium §		13 mg/kg	--	--
Lead §		<1 mg/kg	--	--
Flash Point by PMCC	ASTM D93-26(Procedure A)	64.0 °C	--	--
Density at 20°C	ASTM D4052-22	1.008 g/cm <sup>3</sup>	--	--
Kinematic Viscosity at 40°C	ASTM D445-24	33.68 mm <sup>2</sup> /s	--	--
Kinematic Viscosity at 100 °C	ASTM D445-24	4.450 mm <sup>2</sup> /s	--	--
Pour Point	ASTM D97-17b(2022)	-33 °C	--	--
Chlorine	ASTM D6443-24	95 mg/kg	--	--
Gross Heat of Combustion	ASTM D240-25	41.285 MJ/kg	--	--

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PROPERTY	METHOD	RESULT UNITS	MIN	MAX
Net Heat of Combustion	ASTM D240-25	39.335 MJ/kg	--	--
Ash from Petroleum Products	ASTM D482-25			
Ash		0.050 % (m/m)	--	--
Total Sulfur Content	ASTM D4294-24	1.54 % (m/m)	--	--
Boiling Range Distribution of Samples with Residues by High Temp. GC	ASTM D7169-23			
IBP		90.0 °C	--	--
5 %		186.0 °C	--	--
10 %		221.5 °C	--	--
20 %		265.0 °C	--	--
30 %		310.5 °C	--	--
40 %		342.5 °C	--	--
50 %		369.5 °C	--	--
60 %		397.0 °C	--	--
70 %		424.5 °C	--	--
80 %		457.5 °C	--	--
90 %		508.5 °C	--	--
95 %		569.0 °C	--	--
FBP		>750 °C	--	--

----- End of Analytical Results -----

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