

SGS Oil, Gas and Chemicals
 SGS HOUSE,
 A-77, WAGLE INDUSTRIAL ESTATE,
 ROAD NO 16
 NEAR PASSPORT OFFICE,
 THANE WEST,
 400604
 email: ogclab.thane@sgs.com

Date: 5/11/2017
 BLUE STAR LIMITED
 Ashoka Raghupati Chambers
 No.1-10-60-64 4th Floor
 S P Road ,Begumpet,
 Hyderabad
 INDIA
 500016

Certificate of Analysis TO17-002463.001

PRODUCT DESCRIPTION:	Oil Sample	CLIENT ID:	Chiller No02, System-01
SAMPLE SOURCE:	As Supplied	SGS ORDER N° :	3003168
SOURCE ID:	Not Provide	SAMPLE RECEIVED:	08/05/2017
LOCATION:	Hyderabad	SAMPLE ANALYSED:	10/05/2017
SAMPLE TYPE:	As submitted	SAMPLE BY:	Client
		DATE SAMPLED:	Not available
OIL IN USE	P.O.E		
PURCHASE ORDER NO	3000341222 Date:5.05.2017		
SAMPLE CONTAINER	Plastic Bottle		
SAMPLE QUANTITY	400 ml		
SITE NAME	M/S Franklin Templeton		

METHOD	PROPERTY	RESULT	UNITS
ASTM D445-2017	Kinematic Viscosity at 40°C	64.31	cSt
ASTM D445-2017	Kinematic Viscosity at 100 °C	9.070	cSt
ASTM D974 (Procedure A)-2014	Acid Number	0.16	mg KOH/g
ASTM D6304 (Procedure C)-2016ed1	Water Content	378	ppm (m/m)
* Visual	Colour visual	YELLOW	
ASTM D130-2012	Copper Strip corrosion (3h / 50°C {122°F})	1a	Rating
EN 12662 (1998)	Total Contamination	133.0	mg/kg

- Result is outside of test method limits and/or analytical range used in method precision study

This laboratory is accredited under ISO/IEC 17025. The results reported herein have been performed in accordance with the laboratory's term of accreditation except calibrations/tests marked with an asterisk (*) in this report which are not within the scope of accreditation for our laboratory.

Result is outside of test method Limits and/or analytical range used in method precision study

This report relates specifically to the sample tested as received. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. The latest available issue of the test methods in our possession has been used. Precision parameters apply in the determination of the above results. Users of the data shown on this report should refer to the latest published revisions of ASTM D-3244; IP 367; ISO 4259 and Appendix E of IP Standard Methods for Analysis and Testing when utilising the test data to determine conformance with any specification or process requirement. This report shall not be reproduced except in full, without the written approval of the laboratory.

Authorised Signatory

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Certificate of Analysis TO17-002463.002

PRODUCT DESCRIPTION:	Oil Sample	CLIENT ID:	Chiller No02, System-02
SAMPLE SOURCE:	As Supplied	SGS ORDER N° :	3003168
SOURCE ID:	Not Provide	SAMPLE RECEIVED:	08/05/2017
LOCATION:	Hyderabad	SAMPLE ANALYSED:	10/05/2017
SAMPLE TYPE:	As submitted	SAMPLE BY:	Client
		DATE SAMPLED:	Not available
OIL IN USE	P.O.E		
PURCHASE ORDER NO	3000341222 Date:5.05.2017		
SAMPLE CONTAINER	Plastic Bottle		
SAMPLE QUANTITY	400 ml		
SITE NAME	M/S Franklin Templeton		

METHOD	PROPERTY	RESULT	UNITS
ASTM D445-2017	Kinematic Viscosity at 40°C	65.59	cSt
ASTM D445-2017	Kinematic Viscosity at 100 °C	9.328	cSt
ASTM D974 (Procedure A)-2014	Acid Number	0.11	mg KOH/g
ASTM D6304 (Procedure C)-2016ed1	Water Content	238	ppm (m/m)
* Visual	Colour visual	YELLOW	
ASTM D130-2012	Copper Strip corrosion (3h / 50°C {122°F})	1a	Rating
EN 12662 (1998)	Total Contamination	138.0	mg/kg

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Certificate No.: T-0971

Date: 5/11/2017
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Certificate of Analysis TO17-002463.003

PRODUCT DESCRIPTION:	Oil Sample	CLIENT ID:	Chiller No-03, System-01
SAMPLE SOURCE:	As Supplied	SGS ORDER N° :	3003168
SOURCE ID:	Not Provide	SAMPLE RECEIVED:	08/05/2017
LOCATION:	Hyderabad	SAMPLE ANALYSED:	10/05/2017
SAMPLE TYPE:	As submitted	SAMPLE BY:	Client
		DATE SAMPLED:	Not available
OIL IN USE	P.O.E		
PURCHASE ORDER NO	3000341222 Date:5.05.2017		
SAMPLE CONTAINER	Plastic Bottle		
SAMPLE QUANTITY	400 ml		
SITE NAME	M/S Franklin Templeton		

METHOD	PROPERTY	RESULT	UNITS
ASTM D445-2017	Kinematic Viscosity at 40°C	64.30	cSt
ASTM D445-2017	Kinematic Viscosity at 100 °C	9.182	cSt
ASTM D974 (Procedure A)-2014	Acid Number	0.10	mg KOH/g
ASTM D6304 (Procedure C)-2016ed1	Water Content	193	ppm (m/m)
* Visual	Colour visual	YELLOW	
ASTM D130-2012	Copper Strip corrosion (3h / 50°C {122°F})	1a	Rating
EN 12662 (1998)	Total Contamination	135.0	mg/kg

- Result is outside of test method limits and/or analytical range used in method precision study

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Result is outside of test method Limits and/or analytical range used in method precision study

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Certificate of Analysis TO17-002463.004

PRODUCT DESCRIPTION:	Oil Sample	CLIENT ID:	Chiller No-03, System-02
SAMPLE SOURCE:	As Supplied	SGS ORDER N° :	3003168
SOURCE ID:	Not Provide	SAMPLE RECEIVED:	08/05/2017
LOCATION:	Hyderabad	SAMPLE ANALYSED:	10/05/2017
SAMPLE TYPE:	As submitted	SAMPLE BY:	Client
		DATE SAMPLED:	Not available
OIL IN USE	P.O.E		
PURCHASE ORDER NO	3000341222 Date:5.05.2017		
SAMPLE CONTAINER	Plastic Bottle		
SAMPLE QUANTITY	400 ml		
SITE NAME	M/S Franklin Templeton		

METHOD	PROPERTY	RESULT	UNITS
ASTM D445-2017	Kinematic Viscosity at 40°C	65.80	cSt
ASTM D445-2017	Kinematic Viscosity at 100 °C	9.284	cSt
ASTM D974 (Procedure A)-2014	Acid Number	0.06	mg KOH/g
ASTM D6304 (Procedure C)-2016ed1	Water Content	212	ppm (m/m)
* Visual	Colour visual	DARK YELLOW	
ASTM D130-2012	Copper Strip corrosion (3h / 50°C {122°F})	1a	Rating
EN 12662 (1998)	Total Contamination	204.0	mg/kg #

End of Analytical Results

- Result is outside of test method limits and/or analytical range used in method precision study

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