



OIL TEST INTERNACIONAL DE GUATEMALA, S.A.

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ANALYSIS REPORT

Our Reference	: OTIGT20-0003	Client	: CHEVRON GUATEMALA INC.
Product⁽¹⁾	: JET A	Contact (s)	: RUBELSI OVALLE
Laboratory Sample Identification	: 0024-2020		: Diagonal 6, 10-50 Zona 10 Edificio Interamericas
Seal Number	: N/A	Address	: 4o. Nivel Torre Sur
Sample Obtained by⁽²⁾	: OTI GUATEMALA / OPERATIONS	Client Ref.	: PB 05 01 2020 SHORE TANK 3 JET-A
Sample Location	: CHEVRON / PUERTO BARRIOS SHORE TANK 03, COMPOSITE SAMPLE, AFTER	Sample Reception Date	: JANUARY 05th, 2020
Sample Description	: DISCHARGE MT STI ESLES II	Analysis Start Date	: JANUARY 05th, 2020
Sample Date	: JANUARY 05th, 2020	Analysis Completion Date	: JANUARY 05th, 2020
Sampling Plan/Method	: API Cap. 8	Analysis Performed at	: OTI GUATEMALA
Sampling Performed by	: HECTOR PEREIRA	Analysis Report Issue Date	: JANUARY 05th, 2020
Sample Obtained from	: SHORE TANK 03		

Analyzed Witnessed⁽³⁾ Preliminary Final

Test	Unit	Method	Specification	Result
Appearance	C&B	VISUAL	C&B	C&B
API Gravity @60°F	Degrees	D 287	39-51	44.5
Flash Point TCCT	°C	D 56	38 min	43.0
Copper Strip Corrosion	SCALE	D 130	1 max	1A
Freezing Point	°C	D 2386	-40 max	-45.0
MSEP-A	N/A	D 3948	85 min	98
Particulate Contamination	mg/L	D 5452	1 max	0.2
Existent Gum	mg/100mL	D 381	7 max	1.0
Color Saybolt	SCALE	D 156	Report	+22
Electrical Conductivity	pS/m	D 2624	600 max	4
Thermal Stability JFTOT	---	D 3241	---	---
ΔP Found During Test	mmHg		25 max	<1
Heater tube Deposit Rating	CODE		L3 max	<1
Distillation	---	D 86	---	---
Initial Boiling Point	°C		Report	153.0
10% Recovered	°C		205 max	170.0
50% Recovered	°C		Report	200.0
90% Recovered	°C		Report	253.0
Final Boiling Point	°C		300 max	284.0
Recovery	vol %		Report	99.0
Residue	vol %		1.5 max	0.5
Loss	vol %		1.5 max	0.5
Density @ 15°C	kg/m3	D 1298	775 - 840	803.6
Water Reaction	---	D 1094	---	---
Aqueous layer change	vol%		report	0.5
Rating of the interface	scale		report	1
Rating of the separation	scale		report	1

end of analysis results

Remarks:

PASCAGOULA REFINERY Batch No: JET_2019_00703 Vessel : TANK 353 Samples: P02287312

Julio Escalante
Lab Manager

⁽¹⁾ As declared by Client.

⁽²⁾ Analysis report corresponds to the sample as supplied to the laboratory by: OTI GUATEMALA / OPERATIONS ; which was analyzed upon request to verify compliance according to declared ; which was analyzed upon request to verify compliance according to declared specifications, without any additional responsibility on behalf of the laboratory.

⁽³⁾ Our responsibility in Analysis Witnessing is limited to witness that the analysis is being carried out to the correct sample and according to the previously established method. Therefore, the customer accepts that Oil Test Internacional de Guatemala, S.A. is not responsible for the conditions of the measuring equipment, instrument or devices and that accepts the calibration data, reagents and other instruments or materials used as presented.

OTI does not have any liability for information provided by the client, which may affect validity of analysis results.

*Test within the scope of ISO 17025:2017 Lab. Accreditation

**Test outsourced to another laboratory

All results contained within this report correspond exclusively to the sample described.

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