

Proving

Meter: 5199\_A90CCD\_F - AOF 503 Exports  
Customer ID:  
Field Location: 5199 - Baton Rouge  
Reason: Calibration  
Date Performed: 2/22/2021 12:41:54PM  
Task ID: 1614040914

AOF503-XM1  
WO#13829398  
NOT#74366890

Identification

Customer: 5199 - ExxonMobil Chemical Co. Operator: 5199 - ExxonMobil Chemical Co. Federal ID: 5199

Meter				Prover/Proving			
Characteristics				Prover			
Brand: Endress Hauser	Nominal K-Factor: 5040.0000 N/bbl	Prover Class: Displacement	Area Coeff. (Ga): 1.92E-5 1/°F				
Model: 83F1F-CABSBNPABAE2	Nominal Size: 6.00 in	Displacer: Piston	Elasticity: 2.8E7 psi				
Serial: A90CCD02000R	Passes Per Run: 1	Brand: Honeywell	Linear Coeff. (Gf): 9.6E-6 1/°F				
Proving Mode: Volumetric	Tmp. Compensated: No	Serial: ST-0605337	Downstream BPV: 0.952109 bbl				
MF Calc. Method: Avg. Meter Factor	Interface: PIU	Pipe ID: 20.501 in	Cert. Date: 02/23/2016				
Track Factor: Meter Factor	Density Mode: Manual	Pipe Thickness: 3.510 in					
Proving Acceptance Criteria				Product Data			
Repeatability: 0.050 %	Consistency Req.: 5 out of 5	Product: Raffinate					
	Prior Historical Baseline	Product Table: Table B- Refined Products (2004)					
Prior Dev Check: Yes	Yes	Density: 0.6722Rel					
Max Deviation: 0.20 %	0.20 %	@ Temperature: 60.0°F	Equil. Vapor Pres.: 0.0psig				
No. Prev. Factors: 1		@ Pressure: 0.0psi	Base Density: 0.6722Rel				
Prior Cutoff: No	No	Product Batch #:					
Product Dependent: No	No	Norm. Op. Press.: 32.0 psig					
Use Failed Provings: Yes	Yes						

Proving

Run Data									
Run No.	Accepted	Tp (°F)	Tm (°F)	Pp (psig)	Pm (psig)	Td (°F)	Ni	FlowRate	IMF
1	Yes	75.2	75.2	32.6	34.6	79.9	4799.700	2231.478	1.00023
2	Yes	75.2	75.2	31.3	33.3	80.0	4798.684	2228.576	1.00045
3	Yes	75.1	75.1	35.4	37.4	80.1	4797.727	2214.180	1.00066
4	Yes	75.2	75.2	32.4	34.4	80.1	4799.092	2238.767	1.00036
5	Yes	75.2	75.2	28.7	30.7	79.9	4797.816	2240.231	1.00063
Average		75.2	75.2	32.1	34.1	80.0	4798.6038	2230.646	1.00047


Results									
- Meter -		- Prover -		- Factors -		- Status -			
Nm:	4798.6038	CTSp:	1.00048	MF:	1.0005	Repeatability:	0.043 %		
IVm:	0.952104	CPSp:	1.00001	CMF:	1.0009	Uncertainty:	0.023 %		
CTLm:	0.98795	CTLp:	0.98795	MA:	0.9995	Prior Dev.:			
CPLm:	1.00040	CPLp:	1.00038	KF:	5037.5	Hist. Dev.:			
CCFm:	0.98835	CCFp:	0.98881	CKF:	5035.5	Baseline Dev.:			
ISVm:	0.941012	GSVp:	0.941455	CPLo:	1.0004	Passed:			

Historical Data

Task ID	Date	Product	Flow Rate	Tp	Pp	Totalizer	Throughput	Base Dens	Rep. %	MF	MF Dev
Base.											
Prev. 1607984614	12/14/2020 10:23	Raffinate	1,519 bbl/hr	60.0 °F	92.6 psig			0.6811 Rel	0.046	0.9990	0.0015
Curr. 1614040914	02/22/2021 12:41	Raffinate	2,231 bbl/hr	75.2 °F	32.1 psig			0.6722 Rel	0.043	1.0005	

Notes

WO# 13829398 | NOT# 74366890 | PO# 4553052224

Technician:   
David Pousson  
Company: Coastal Flow

Witness:   
david sicard  
Company: