

SOUTHWEST RESEARCH INSTITUTE™

6220 CULEBRA ROAD • POST OFFICE DRAWER 28510 • SAN ANTONIO, TEXAS 78228-0510, USA • (210) 684-5111 • WWW.SWRI.ORG

FILTER CAPACITY AND CONTAMINANT REMOVAL PER SAE HS806-95

TEST DATE: NOVEMBER 26, 2001

WORK ORDER NUMBER: 279082

STAND I.D. NO. 3

SPONSOR: PURADYNE

CONTAMINANT I.D.: ISO FINE TEST DUST BATCH NO.:4956F

FILTER I.D.: 2.0 #/ 1.0 #

TEST OIL I.D.: RFO-3-93 BATCH NO.: 45938

FILTER BRAND: PURADYNE

VOLUME: 28 LITERS

TEMPERATURE DEG. C: 82.0

ADD RATE: 1.0 G/HR.

TEST FLOW RATE: 6.5 GPH

INITIAL SYSTEM CLEANLINESS (G/L): 0.0067

CONTAMINANT DELIVERY RATE: 0.087 L/HR.

INLET FILTER PRESSURE : 45.0 PSI

TEST TERMINAL: 100 HRS.

	TEST TIME HRS.	FLOW RATE GPH	FILTERING EFFICIENCY (%)	WEIGHTED AVERAGE
	4.00	6.21	100.00%	400.00%
	8.00	5.71	100.00%	400.00%
	12.00	5.71	100.00%	400.00%
CLEAN JET @	16.00	4.44	100.00%	400.00%
	20.00	6.34	100.63%	402.53%
	24.00	6.47	93.14%	372.56%
	28.00	5.71	99.10%	396.38%
CLEAN JET @	32.00	4.44	100.00%	400.00%
	36.00	6.21	100.00%	400.00%
	40.00	5.83	100.00%	400.00%
CLEAN JET @	44.00	5.45	100.29%	401.15%
	48.00	6.47	93.93%	375.72%

AVERAGE EFFICIENCY: 98.92%

CAPACITY GRAMS: 46.23

HRS. LIFE: 48.00

TECHNICIAN: DAVID DON & GEORGE GARCIA

DATE COMPLETED: NOVEMBER 03, 2001

APPROVED BY: *Melvin G. Estrella*



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FILTER I.D.: 2.0 #/ 1.0 #

TEST OIL I.D.: RFO-3-93 BATCH NO.: 45938

FILTER BRAND: PURADYNE

VOLUME: 28 LITERS

TEMPERATURE DEG. C: 82.0

ADD RATE: 1.0 G/HR.

TEST FLOW RATE: 6.5 GPH

INITIAL SYSTEM CLEANLINESS (G/L): 0.0067

CONTAMINANT DELIVERY RATE: 0.087 L/HR.

INLET FILTER PRESSURE : 45.0 PSI

TEST TERMINAL: 100 HRS.

	TEST TIME HRS.	FLOW RATE GPH	FILTERING EFFICIENCY (%)	WEIGHTED AVERAGE
	52.00	6.47	99.51%	398.05%
	56.00	6.47	100.00%	400.00%
	60.00	6.47	99.58%	398.31%
	64.00	6.09	100.20%	400.79%
	68.00	5.71	99.81%	399.25%
CLEAN JET @	72.00	5.45	100.00%	400.00%
	76.00	6.21	99.33%	397.33%
	80.00	6.21	99.53%	398.10%
	84.00	6.47	100.15%	400.60%
	88.00	6.21	100.14%	400.58%
	92.00	5.96	99.45%	397.80%
CLEAN JET @	96.00	5.45	100.13%	400.53%
	100.00	6.40	99.75%	398.99%

AVERAGE EFFICIENCY: 99.39%

CAPACITY GRAMS: 99.75

HRS. LIFE: 100.00

TECHNICIAN: DAVID DON & GEORGE GARCIA

DATE COMPLETED: DECEMBER 03, 2001

APPROVED BY: *Melvin A. Estroff*



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TEST DATE: NOVEMBER 26, 2001

WORK ORDER NUMBER: 279082

STAND I.D. NO. 3

SPONSOR: PURADYNE

CONTAMINANT I.D.: ISO FINE TEST DUST BATCH NO.: 4956F

FILTER I.D.: 2.0 #/ 1.0 #

TEST OIL I.D.: RFO-3-93 BATCH NO.: 45938

FILTER BRAND: PURADYNE

VOLUME: 28 LITERS

TEMPERATURE DEG. C: 82.0

ADD RATE: 1.0 G/HR.

TEST FLOW RATE: 6.5 GPH

INITIAL SYSTEM CLEANLINESS (G/L): 0.0067

CONTAMINANT DELIVERY RATE: 0.087 L/HR.

INLET FILTER PRESSURE : 45.0 PSI

TEST TERMINAL: 200 HRS.

	TEST TIME HRS.	FLOW RATE GPH	FILTERING EFFICIENCY (%)	WEIGHTED AVERAGE
CLEAN JET @	104.00	6.09	99.63%	398.54%
	108.00	6.47	99.88%	399.53%
	112.00	6.34	99.89%	399.55%
	116.00	6.34	99.89%	399.56%
	120.00	5.96	99.89%	399.58%
	124.00	5.96	100.00%	400.00%
CLEAN JET @	128.00	5.20	99.70%	398.81%
	132.00	6.47	99.62%	398.46%
	136.00	6.34	99.81%	399.25%
	140.00	6.34	99.46%	397.83%
	144.00	5.96	99.74%	398.94%
	148.00	5.71	99.66%	398.63%
AVERAGE EFFICIENCY:			99.76%	
CAPACITY GRAMS:			147.49	
HRS. LIFE:			148.00	

TECHNICIAN: DAVID DON & GEORGE GARCIA

DATE COMPLETED: DECEMBER 06, 2001

APPROVED BY: Maximo A. Estrada



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SPONSOR: PURADYNE

CONTAMINANT I.D.: ISO FINE TEST DUST BATCH NO.:4956F

FILTER I.D.: 2.0 #/ 1.0 #

TEST OIL I.D.: RFO-3-93 BATCH NO.: 45938

FILTER BRAND: PURADYNE

VOLUME: 28 LITERS

TEMPERATURE DEG. C: 82.0

ADD RATE: 1.0 G/HR.

TEST FLOW RATE: 6.5 GPH

INITIAL SYSTEM CLEANLINESS (G/L): 0.0067

CONTAMINANT DELIVERY RATE: 0.087 L/HR.

INLET FILTER PRESSURE : 45.0 PSI

TEST TERMINAL: 200 HRS.

	TEST TIME HRS.	FLOW RATE GPH	FILTERING EFFICIENCY (%)	WEIGHTED AVERAGE
	152.00	6.09	99.75%	399.00%
	156.00	5.45	99.68%	398.70%
CLEAN JET @	160.00	4.82	99.92%	399.68%
	164.00	6.47	99.23%	396.91%
	168.00	6.34	99.77%	399.10%
CLEAN JET @	172.00	6.09	99.71%	398.82%
	176.00	6.47	99.50%	397.98%
	180.00	6.28	99.86%	399.44%
	184.00	5.83	99.72%	398.90%
	188.00	5.45	99.73%	398.92%
CLEAN JET @	192.00	5.07	99.74%	398.94%
	196.00	5.33	99.29%	397.16%
	200.00	4.69	99.43%	397.72%

AVERAGE EFFICIENCY: 100%

CAPACITY GRAMS: 198.86

HRS. LIFE: 200.00

TECHNICIAN: DAVID DON & GEORGE GARCIA

DATE COMPLETED: DECEMBER 06, 2001

APPROVED BY: *Marina A. Estrada*

