

## PRODUCT SPECIFICATIONS: JP-8

ITEM#	TEST	UNIT	SPECIFICATION (1)	TEST METHOD
10	SAYBOLT COLOR	Number	Report	D156
20	VISUAL EVALUATION	Code	Pass/Fail	D4176
100C	TOTAL ACID, MAX	mgKOH/g	0.015 (2)	D3242
110	AROMATIC CONTENT, MAX	vol%	25.0	D1319
115	OLEFIN CONTENT, MAX	vol%	5.0	D1319
120	NAPHTHALENES, MAX	vol%	3	D1840
130	MERCAPTAN SULFUR, MAX	vol%	0.002	D3227
150F	TOTAL SULFUR, MAX	wt%	0.30	4294
160A	HYDROGEN CONTENT, MIN	Mass%	13.4	D3343
201A	INITIAL BOILING PT	Celsius	Report	D86
202A	10% RECOVERY PT, MAX	Celsius	205	D86
203A	20% RECOVERY PT	Celsius	Report	D86
204A	50% RECOVERY PT	Celsius	Report	D86
206A	90% RECOVERY PT	Celsius	Report	D86
211A	FINAL BOILING PT, MAX	Celsius	300	D86
213A	RESIDUE, MAX	vol%	1.5	D86
214A	LOSS, MAX	vol%	1.5	D86
220B	FLASH POINT, MIN	Celsius	38	D93
230A	DENSITY	kg/L	0.7753 - 0.8398	D1298
231A	GRAVITY	API	37-51	D1298
300C	FREEZE PT, MAX	Celsius	-47	D5972
310	VISCOSITY @ -20C, MAX	cSt	8.0 cSt	D445
400C	HEAT CONTENT, MIN	Btu/lb	18,400	D3338
420	SMOKE POINT, MIN	mm	19	D1322
500	COPPER CORROSION, MAX	Code	1	D130
601A	STABILITY $\Delta$ P, MAX @ 275 C	mm	25	D3241
602A	PREHEATER CODE, MAX @ 275 C	Code	< 3	D3241
710	EXISTENT GUM, MAX	mg/100ml	7	D381
720B	PARTICULATE MATTER, MAX	mg/L	1.0	D5452
730	FILTRATION TIME, MAX	minutes	15	Annex
740	WATER REACT RATING, MAX	Code	1b	D1094
750	WATER SEPARATION, MIN	MSEP	70	D3948
830D	FSII	vol%	0.10 - 0.15	D5006
840F	CORROSION INHIBITOR (NALCO 540)	mg/L	12 - 22.5 (3)	N/A
900	CONDUCTIVITY	pS/m	150 - 400	D2624
901	TEMP. AT MEASUREMENT	Celsius	Report (O or 15C)	D2624
910A	CETANE INDEX	Number	Report	D976

Note: (1) Meets MIL-DTL-83133E  
(2) Waiver on Acidity 0.020 Max; Clause c16.64.3100 Dated 20 May 92  
(3) Per QPL-25017-18

Revised: November 16, 2000  
By: \_\_\_\_\_