

**APPENDIX E: NO. 2 ULSD FUEL OIL FLEET SERVICES QUALITY SPECIFICATIONS**

*Revised 08/01/2014]*

QUALITY SPECIFICATIONS	ASTM TEST METHODS (NOTE 1)	MINIMUM	TYPICAL	MAXIMUM
SULFUR , PPM,( ug/g)	D-5453	---	---	15
FLASH POINT - PENSKEY MARTIN[°F]	D-93	130	---	---
POUR POINT [°F]	D-97	---	---	10
WATER AND SEDIMENT [% BY VOLUME]	D-95 ~AND~ D-473	---	---	<0.05
ASH[% BY WEIGHT]	D-482	---	---	0.01
VISCOSITY [CST @ 40 °C]	D-445	1.9	---	4.1
GRAVITY [API]	D-287 ~OR~ D-4052	30	32 - 39	
WATER BY KARL FISHER, PPM	D- 6304	---	Report	---
RAMSBOTTOMCARBON RESIDUE ON 10% BOTTOMS [ %MASS,MAX]	D-524	---	0.15	0.35
DISTILLATION TEMPS. [°F @ 90 % POINT]	D-86	540	---	640
DISTILLATION TEMPS. [°F @ END POINT]	D-86	---	---	690
COLOR	Visual	---	REPORT	---
CORROSION, COPPER STRIP, 3 HRS. @ 122 °F	D-130	---	---	1B
AROMATICITY, % VOLUME	D -1319	---	---	31.7
CETANE NUMBER,	D-613	40	---	---
CLOUD POINT [Deg. F]	D-2500	---	---	15
LUBRICITY,HFFR@60 DEG C, MICRON,[ MAX]	D-6079	---	---	520

(1) LATEST REVISION OF AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) METHODS SHALL APPLY.