

CUSTOMER:	ABC CLIENT
PLANT:	GENERATOR ROOM 1
FUEL	20000 GALLON UST
LOCATION	CHICAGO
FUEL TYPE:	ULS #2 DIESEL FUEL
MANUFACTURER:	
RECEIVED:	21-JUN-17
CONTACT 1:	JOHN SMITH
REPORT:	23-JUN-17 12:21:36
SAMPLE NO:	2713-8-1-2
PO NUMBER:	PO123

Fuel Condition

NON-COMPLIANT

NOTE

- The sample does not comply with ASTM D975 due to very high contents of sulfur,ash, particle count, water and sediment.

VISUAL INSPECTION (PMC)

Labno	SAMPLE DATE MM-DD-YY	COLOR	ODOR	CLARITY	PRECIPITATE
1097714	02-09-16	Red	Good,acceptable		Significant / severe
1092579	01-08-16	Red	Good,acceptable	Clear	None

(SP) SPECTROSCOPIC ANALYSIS [ASTM D5185] (elements seen in ppm)

TESTED ELEMENTS ARE:Fe, Cu, Pb, Sn, Cr, Al, Ni, Ti, Ag, V, Mg, Si, B, Na, Ba, Ca, P, Mn, Zn, Mo, Cd, K.

Date(MM/DD/YY)	02-09-16	01-08-16	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1097714	1092579							
Fe-IRON	3.0	-							-
Mo-MOLYBDENUM	-	1.0							-
Na-SODIUM	2.0	-							-
Ca-CALCIUM	1.0	1.0							-
P-PHOSPHORUS	1.0	1.0							-
Zn-ZINC	1.0	-							-

Date(DD/MM/YY)	09-02-16	SPEC.
Labno	1097714	
VISCOSITY /40 [ASTM D445] in cSt 40 °C	2.73	1.9-4.1
WATER KARL FISHER (%)	0.028	0.02 MAX
FLASH POINT CLOSED CUP [ASTM D93]	61 °C	52 °C MIN
DENSITY [ASTM D1298]	0.843	-
DISTILLATION		
Initial Boiling Point (°C)	170	-
10% Recovered (°C)	212	-
50% Recovered (°C)	269	266 TYPICAL
90% Recovered (°C)	338	282-338
Final Boiling Point (°C)	-	-
Total Recovered (°C)	-	-
Residue (%)	-	-
API GRAVITY [ASTM D287]	36.35	34-38
SULFUR in ppm	20	15 MAX
CETANE INDEX	50	40 MIN
POUR POINT [ASTM D97] , °C		-
CLOUD POINT [ASTM D2500] , °C	-14	-
COPPER CORROSION [ASTM D130]	1a	3
ASH (%) [ASTM D482]	0.090	0.01 MAX
WATER AND SEDIMENT (%)	0.70	0.05 MAX

(PC) PARTICLE COUNT [ISO 4406] (/ml) ISO 4/6/14,µicron									
Date(MM/DD/YY)	02-09-16	01-08-16	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1097714	1092579							
> 4µ	12490	9653							-
> 6µ	3082	1364							-
> 14µ	83	97							-
> 25µ	7.0	13							-
> 50µ	0.0	0.0							-
> 100µ	0.0	0.0							-
ISO 4406(1999)	21/ 19/ 14	20/ 18/ 14							-

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