ANALYSIS OF Fuel Oil Reclaimed DATE PRINTED:17-DEC-2003

**FROM:** FLEET AND INDUSTRIAL SUPPLY CENTER
FUEL LABORATORY (CODE 704)
1942 GAFFNEY ST. STE 100
PEARL HARBOR, HI 96860-4549

**TO:** FISC PEARL HARBOR (RECLAMATION)
COMMANDING OFFICER
FUEL LABORATORY, PSC 473, BOX 11
FPO AP 96349-1500

**LAB SAMPLE NO:** 1044701
**DATE SAMPLED:** 12/03/2003
**SOURCE:** TANK B-2, COMPOSITE SAMPLE AFTER TRANSFER RECEIPT FROM TANK B-1

**REF (A)** MIL-F-24951 **(B)** USE LIMIT

| MARKING | LIMITS OF REF (A)&(B) GRADE FOR TYPE FOR-A | TEST RESULTS | METHOD NO |
|---|---|---|---|
| APPEARANCE | REPORT | BLACK | D4176 |
| GRAVITY, API @15C | 25 - 40 | 34.3 | D4052 |
| VISCOSITY, @40C, cSt | 2 - 15 | 4.10 | D445 |
| VISCOSITY, @50C, SU | 30 - 90 | 39.7 | D2161 |
| FLASH POINT, PMCC, @C | 38 MIN | 78 | D93 |
| POUR POINT, @ C | -6.7 MAX | -10.0 | D97 |
| ASH, SULFATED, % WT. | 0.15 MAX | 0.014 | D874 |
| SEDIMENT BY EXTRACTION, % WT. | 0.5 MAX | 0.025 | D473 |
| SULFUR, % WT. | 2 MAX | 0.39 | D4294 |
| EXPLOSIVENESS, % | 50 MAX | 5 | FTM 1151.1 |
| NEUTRALITY | NEUTRAL | NEUTRAL | FTM 5101 |
| EPA, ARSENIC, PPM | 5 MAX. | ND | SW846 6010 |
| EPA, CADMIUM, PPM | 2 MAX. | ND | SW846 6010 |
| EPA, CHROMIUM, PPM | 10 MAX. | 1.59 | SW846 6010 |
| EPA, LEAD, PPM | 40 MAX. | ND | SW846 6010 |
| EPA, TOTAL HALOGENS, PPM | 1000 MAX | <500 PPM | SW846 9076 |
| PCB, PPM | 2 MAX. | ND | SW846 8082 |
| WATER & SEDIMENT % VOL. | 2 MAX | 0.50 | D1796 |

**PRODUCT AS REPRESENTED BY SAMPLE MEET**
**SPEC. LIMITS OF REF (A)?** YES **USE LIMITS OF REF (B)?** YES

**Remarks:** SAMPLE MEETS REQUIREMENT LIMITS.

**SUBMITTED BY**
Eric J Brunson

**APPROVED BY DIRECTION**
Raymond Ortiz