



MOBILE OIL ANALYSIS REPORT

CONTAMINATION
OIL CONDITION
WEARNORMAL
NORMAL
NORMAL

1404 - Diesel Engine

Unit Make : KENWORTH
Unit Model : T600
Comp Make : CAT
Comp Model : C15Serial No : BXS20730
Cust. Ref No. : {n/a}
Stub No. : KL-M081921Date Rec'd : Jun 28, 2005
Sample Date : Jun 3, 2005
Diagnostician : Doug Bogart

RECOMMENDATION

Resample at the next service interval to monitor.

| Sample Date | | | 02/12/05 | Current | UOM |
|---------------|--|--|----------|---------|-----|
| Time on Unit | | | 113038 | 149265 | mls |
| Time on Oil | | | 20961 | 36227 | mls |
| Time on Fitr | | | 20961 | 12502 | mls |
| Oil Maint. | | | changed | not chg | --- |
| Filter Maint. | | | changed | changed | --- |

CONTAMINATION

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

| Sample Date | | | 02/12/05 | Current | Abn |
|-------------|--|--|----------|---------|-----|
| Silicon | | | 6.1 | 5.2 | |
| Fuel (%) | | | <2.0 | <2.0 | |
| Glycol | | | --- | --- | |
| Water (%) | | | <0.1 | <0.1 | |
| Soot (%) | | | 0.2 | 0.2 | |
| >2µm | | | 9181 | 2706 | |
| >5µm | | | 3396 | 1001 | |
| >15µm | | | 363 | 107 | |
| >25µm | | | 87 | 25 | |
| >50µm | | | 8 | 2 | |
| >100µm | | | 0 | 0 | |
| ISO 4406 | | | 19/16 | 17/14 | |

OIL CONDITION

Oil Type: 15 GAL of CITGO CITGUARD 600 15W40

The condition of oil is suitable for further service.

| Sample Date | | | 02/12/05 | Current | Base |
|-------------|--|--|----------|---------|------|
| Potassium | | | 0.0 | 0.0 | |
| Boron | | | 78 | 64 | |
| Barium | | | 0.0 | 0.1 | |
| Calcium | | | 3093 | 2746 | |
| Magnesium | | | 15 | 8.9 | |
| Molybdenum | | | 105 | 87 | |
| Sodium | | | 2.7 | 3.5 | |
| Phosphorus | | | 1155 | 1096 | |
| Sulfur | | | 4490 | 4122 | |
| Zinc | | | 1283 | 1169 | |
| Visc@100°C | | | 13.1 | 14.96 | |
| TBN | | | 9.65 | 8.56 | |

WEAR

All component wear rates are normal.

| Sample Date | | | 02/12/05 | Current | Abn |
|-------------|--|--|----------|---------|-----|
| Iron | | | 27 | 19 | --- |
| Nickel | | | 0.5 | 0.3 | --- |
| Chromium | | | 3.2 | 1.1 | --- |
| Titanium | | | 0.2 | 0.2 | --- |
| Copper | | | 80 | 18 | --- |
| Aluminum | | | 4.8 | 4.6 | --- |
| Tin | | | 0.0 | 0.0 | --- |
| Lead | | | 0.1 | 1.6 | --- |
| Silver | | | 0.0 | 0.0 | --- |