



OIL ANALYSIS REPORT

| | |
|-----------------|--------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
1995 DODGE 3B7KF22D6W0119937
 Component
Front Diesel Engine
 Fluid
VALVOLINE 15W40 (12 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | WCM117668 | --- | --- |
| Sample Date | | Client Info | | 05 Nov 2009 | --- | --- |
| Machine Age | mls | Client Info | | 203125 | --- | --- |
| Oil Age | mls | Client Info | | 4850 | --- | --- |
| Filter Age | mls | Client Info | | 4850 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | Not Changd | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|------|-----|-----|
| Iron | ppm | ASTM D5185m | | 30 | --- | --- |
| Chromium | ppm | ASTM D5185m | | 5 | --- | --- |
| Nickel | ppm | ASTM D5185m | | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185m | | 4 | --- | --- |
| Lead | ppm | ASTM D5185m | | 2 | --- | --- |
| Copper | ppm | ASTM D5185m | | 12 | --- | --- |
| Tin | ppm | ASTM D5185m | | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

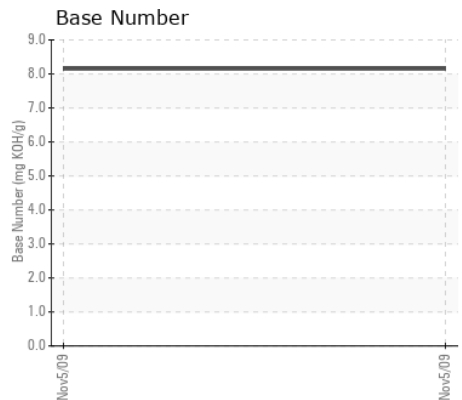
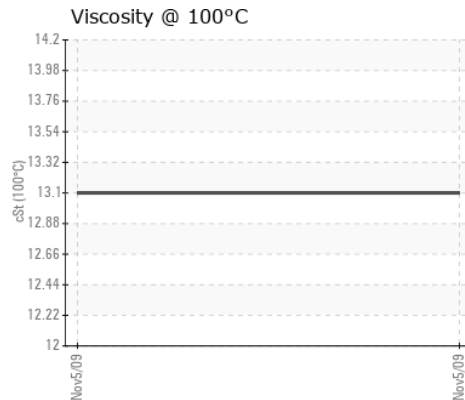
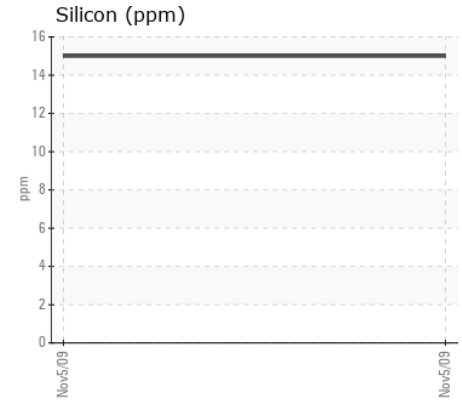
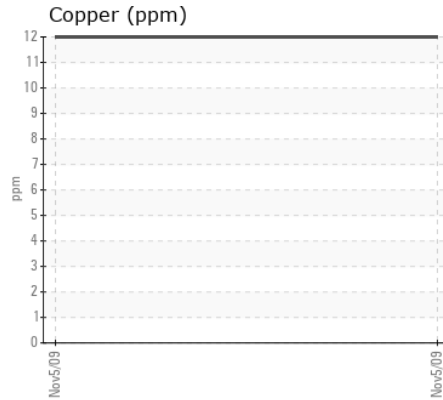
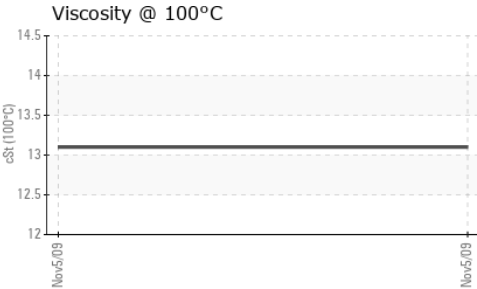
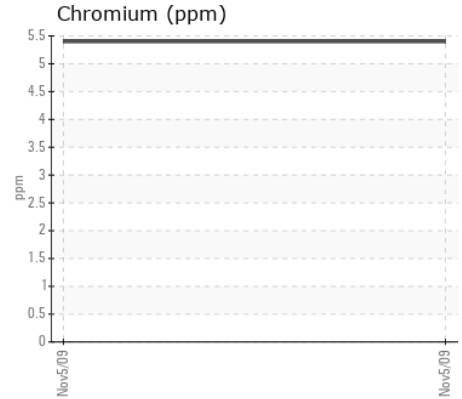
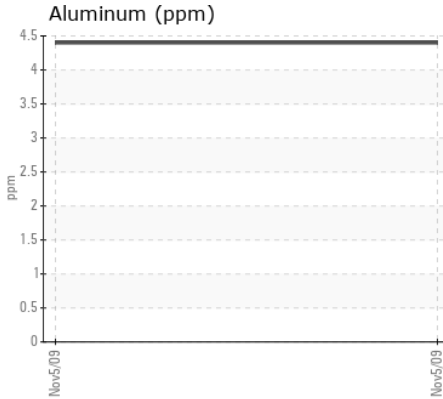
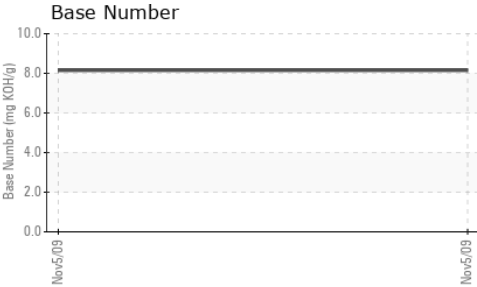
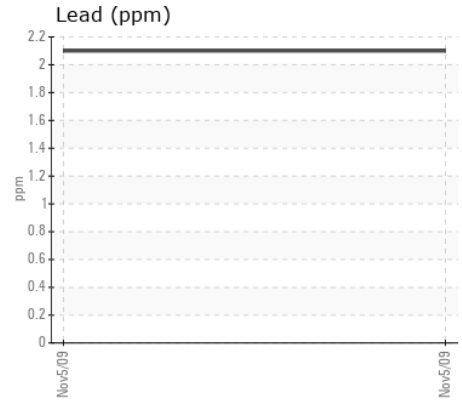
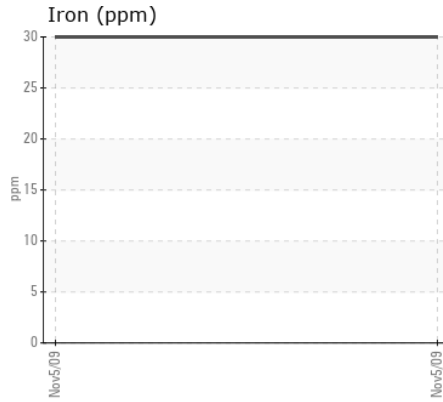
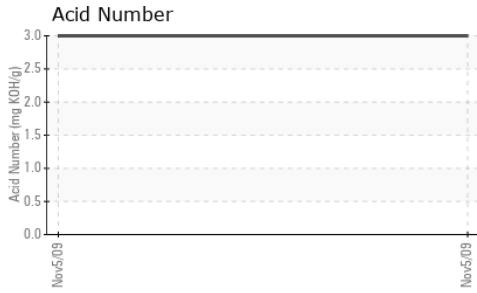
There is no indication of any contamination in the component.

| | | | | | | |
|------------------|----------|-------------|-------|-------|-----|-----|
| Silicon | ppm | ASTM D5185m | | 15 | --- | --- |
| Potassium | ppm | ASTM D5185m | | 3 | --- | --- |
| Fuel | | WC Method | | <1.0 | --- | --- |
| Water | | WC Method | | NEG | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| Soot % | % | *ASTM D7844 | | 0.5 | --- | --- |
| Nitration | Abs/cm | *ASTM D7624 | | 7. | --- | --- |
| Sulfation | Abs/.1mm | *ASTM D7415 | | 18. | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | | NEG | --- | --- |

FLUID CONDITION

The condition of oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|--|------|-----|-----|
| Sodium | ppm | ASTM D5185m | | 16 | --- | --- |
| Boron | ppm | ASTM D5185m | | 5 | --- | --- |
| Barium | ppm | ASTM D5185m | | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 30 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 548 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 1334 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 1099 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 1131 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 3335 | --- | --- |
| Oxidation | Abs/.1mm | *ASTM D7414 | | 13. | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 3.00 | --- | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 8.15 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 | | 13.1 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCM117668 **Received** : 05 Nov 2009
Lab Number : 02514726 **Tested** : 09 Nov 2009
Unique Number : 5009618 **Diagnosed** : 09 Nov 2009 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: TAN Man)

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)