



THE G. W. VAN KEPPEL CO.
Construction Equipment

OIL ANALYSIS REPORT

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



Machine Id
VOLVO A30G 752912
Component
Transmission (Auto)
Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | VKC0001279 | VKC0000986 | --- |
| Sample Date | | Client Info | | 26 Jun 2024 | 26 Mar 2024 | --- |
| Machine Age | hrs | Client Info | | 1768 | 1590 | --- |
| Oil Age | hrs | Client Info | | 0 | 1590 | --- |
| Filter Age | hrs | Client Info | | 0 | 1590 | --- |
| Oil Changed | | Client Info | | Not Changed | Not Changed | --- |
| Filter Changed | | Client Info | | Not Changed | Changed | --- |
| Sample Status | | | | ABNORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185m | >160 | 8 | 20 | --- |
| Chromium | ppm | ASTM D5185m | >5 | <1 | 0 | --- |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 1 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Silver | ppm | ASTM D5185m | >5 | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >50 | 4 | 15 | --- |
| Lead | ppm | ASTM D5185m | >50 | <1 | 0 | --- |
| Copper | ppm | ASTM D5185m | >225 | 4 | 18 | --- |
| Tin | ppm | ASTM D5185m | >10 | 1 | 4 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

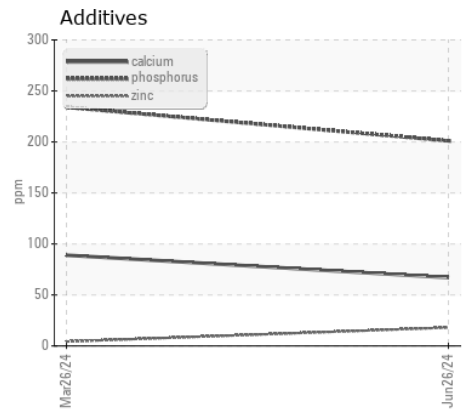
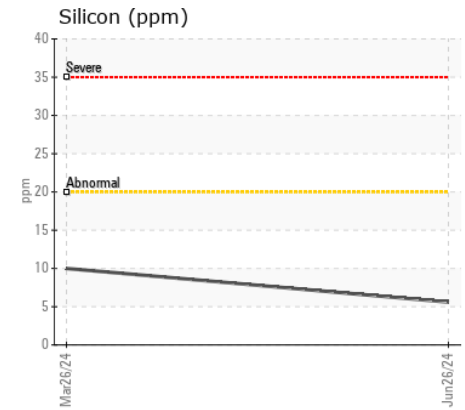
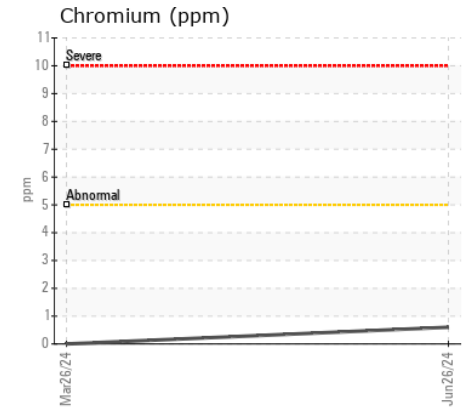
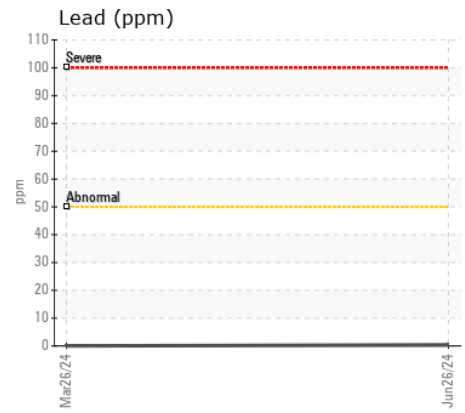
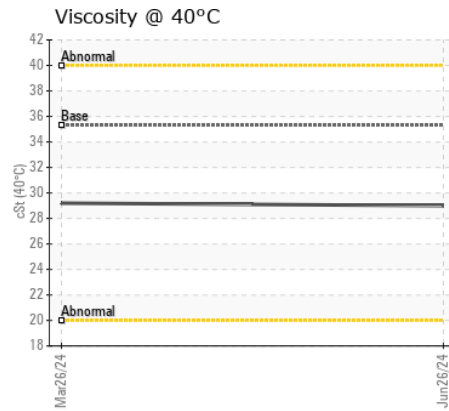
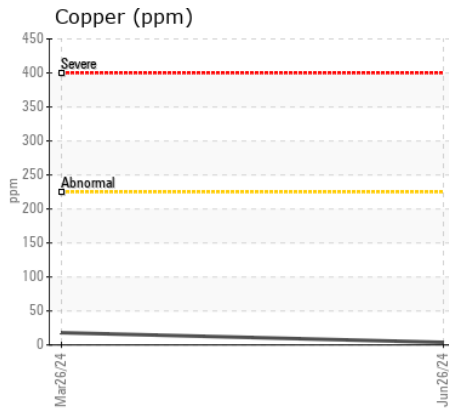
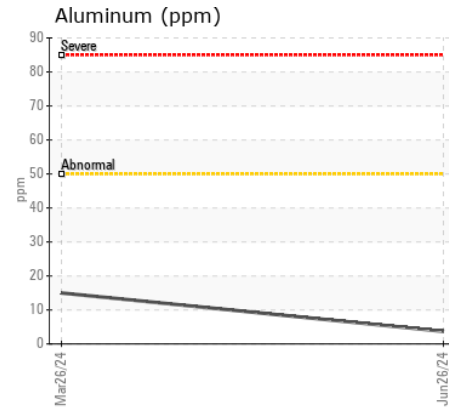
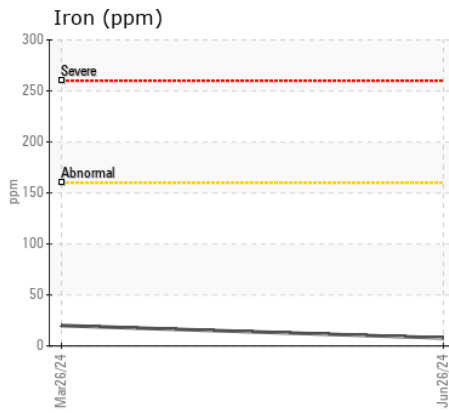
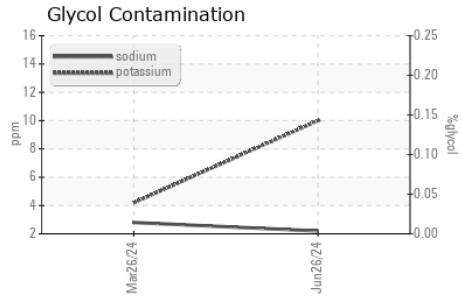
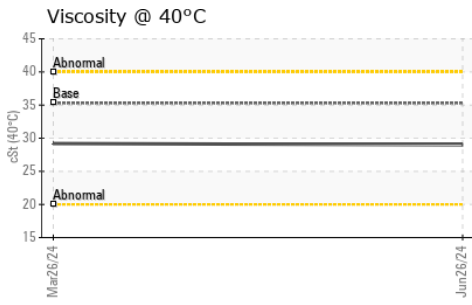
There is a moderate amount of visible silt present in the sample.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >20 | 6 | 10 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 10 | 4 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | MODER | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | --- |

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|------|-------------|------|-----|
| Sodium | ppm | ASTM D5185m | | 2 | 3 | --- |
| Boron | ppm | ASTM D5185m | 187 | 85 | 92 | --- |
| Barium | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0.0 | 2 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0.0 | 1 | 3 | --- |
| Magnesium | ppm | ASTM D5185m | 6.8 | 2 | <1 | --- |
| Calcium | ppm | ASTM D5185m | 215 | 67 | 89 | --- |
| Phosphorus | ppm | ASTM D5185m | 445 | 201 | 234 | --- |
| Zinc | ppm | ASTM D5185m | 56 | 18 | 4 | --- |
| Sulfur | ppm | ASTM D5185m | 1336 | 2069 | 2181 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 35.3 | 29.0 | 29.2 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VKC0001279 **Received** : 05 Jul 2024
Lab Number : 06229362 **Tested** : 09 Jul 2024
Unique Number : 11112855 **Diagnosed** : 09 Jul 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: Glycol)

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)

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