



ASCENDUM

OIL ANALYSIS REPORT



Area
[MMA FUQUAY]
 Machine Id
VOLVO A40G 340791
 Component
Bogie/Center Axle
 Fluid
TRANSAXLE OIL SAE 75W80 (--- GAL)

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

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|-------------|-------------|
| Sample Number | | Client Info | | ASC0011216 | ASC0010412 | VCP377404 |
| Sample Date | | Client Info | | 07 Jun 2024 | 19 Mar 2024 | 03 Jun 2022 |
| Machine Age | hrs | Client Info | | 11271 | 10956 | 10416 |
| Oil Age | hrs | Client Info | | 0 | 8376 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Filter Changed | | Client Info | | Not Changed | N/A | N/A |
| Sample Status | | | | ATTENTION | ATTENTION | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|------|------|-------|
| Iron | ppm | ASTM D5185m | >900 | 0 | 327 | 335 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 2 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 2 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >30 | 3 | 7 | 11 |
| Lead | ppm | ASTM D5185m | >50 | 0 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >150 | <1 | 21 | 21 |
| Tin | ppm | ASTM D5185m | >20 | <1 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | MODER |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

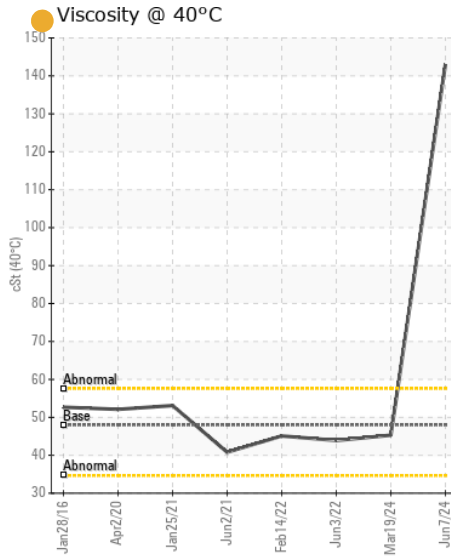
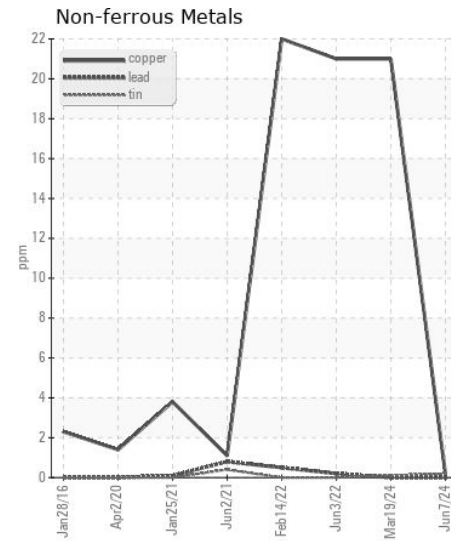
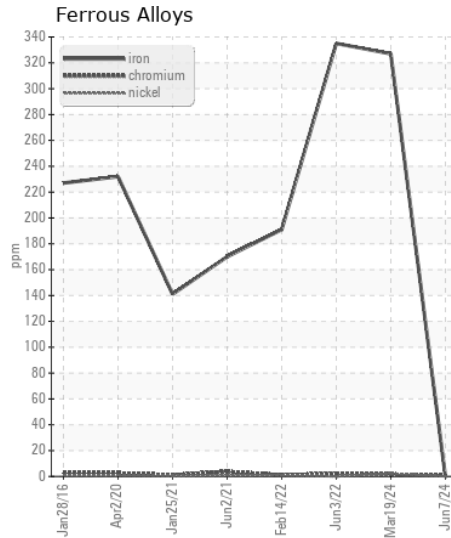
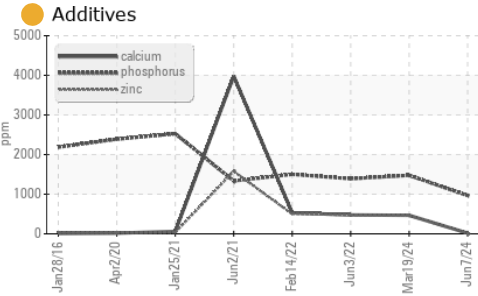
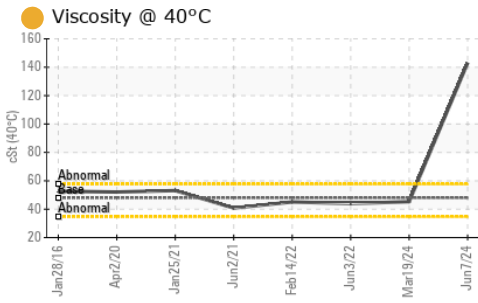
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|-------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 0 | 24 | 33 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 2 | 3 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | MODER |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

| | | | | | | |
|-------------|-----|-------------|------|-------|-------|-------|
| Sodium | ppm | ASTM D5185m | | 0 | 3 | <1 |
| Boron | ppm | ASTM D5185m | 160 | 229 | 111 | 130 |
| Barium | ppm | ASTM D5185m | 10 | <1 | 0 | 2 |
| Molybdenum | ppm | ASTM D5185m | 25 | 0 | 1 | 2 |
| Manganese | ppm | ASTM D5185m | | 0 | 8 | 7 |
| Magnesium | ppm | ASTM D5185m | 12 | <1 | 4 | 4 |
| Calcium | ppm | ASTM D5185m | 3750 | 17 | 467 | 476 |
| Phosphorus | ppm | ASTM D5185m | 1200 | 966 | 1477 | 1389 |
| Zinc | ppm | ASTM D5185m | 1500 | 11 | 457 | 474 |
| Sulfur | ppm | ASTM D5185m | 6000 | 28756 | 16621 | 14939 |
| Visc @ 40°C | cSt | ASTM D445 | 48 | 143 | 45.3 | 43.9 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0011216
Lab Number : 06210573
Unique Number : 11083437
Test Package : CONST

Received : 14 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Jonathan Hester

113 - ASCENDUM MACHINERY INC - GARNER
 3561 JONES SAUSAGE ROAD
 GARNER, NC
 US 27529

Contact: TRENT BROADWELL
 trent.broadwell@ascendummachinery.com

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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