



VOLVO

OIL ANALYSIS REPORT

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



Area
[659041]
Machine Id
VOLVO A30 753223
Component
Front Axle
Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | VCP437668 | VCP431289 | --- |
| Sample Date | | Client Info | | 04 Jan 2024 | 16 Oct 2023 | --- |
| Machine Age | hrs | Client Info | | 1548 | 1012 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Not Changed | Changed | --- |
| Filter Changed | | Client Info | | Not Changed | Not Changed | --- |
| Sample Status | | | | NORMAL | ATTENTION | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185m | >900 | 223 | 384 | --- |
| Chromium | ppm | ASTM D5185m | >20 | 4 | 7 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 1 | 3 | --- |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >30 | 0 | <1 | --- |
| Lead | ppm | ASTM D5185m | >50 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >150 | 6 | 31 | --- |
| Tin | ppm | ASTM D5185m | >20 | <1 | 1 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

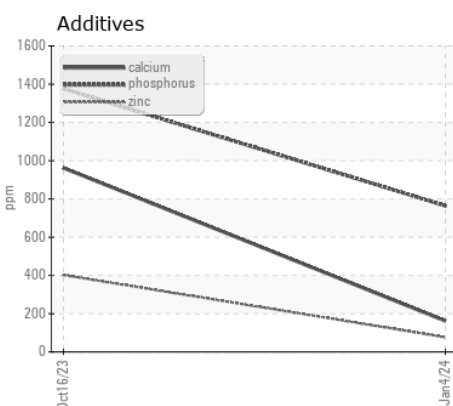
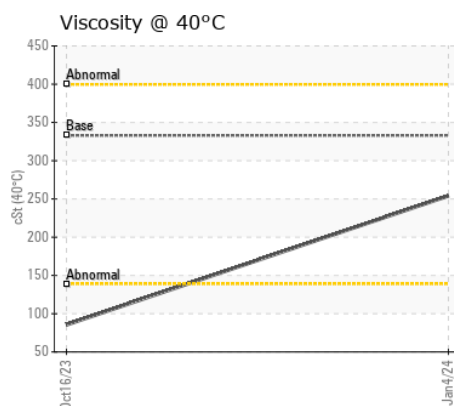
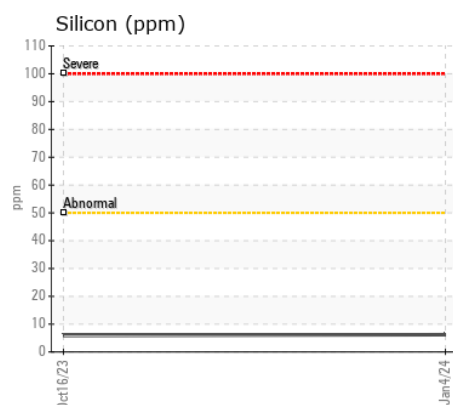
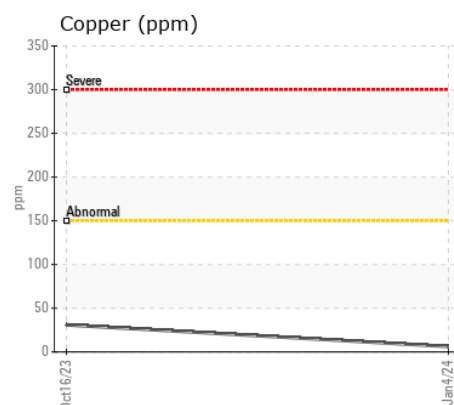
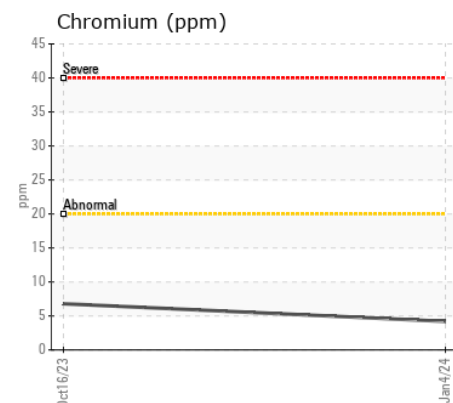
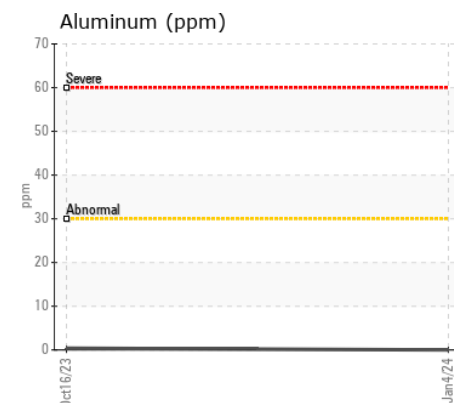
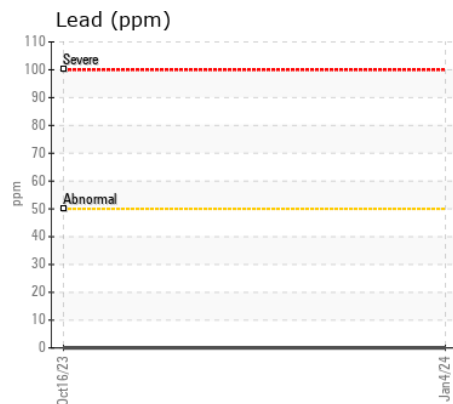
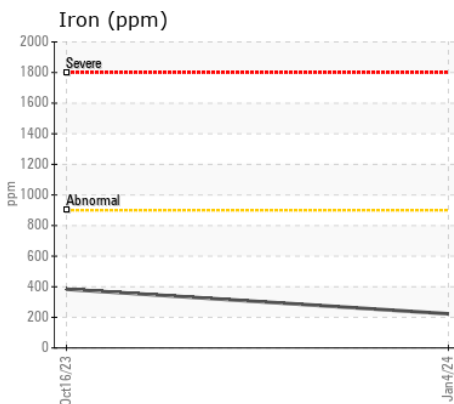
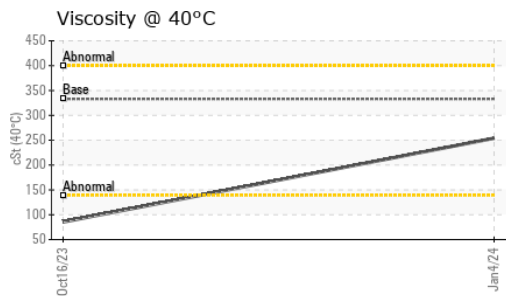
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >50 | 6 | 6 | --- |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 4 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | 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 | >0.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-------|--------------|--------|-----|
| Sodium | ppm | ASTM D5185m | | <1 | 1 | --- |
| Boron | ppm | ASTM D5185m | 111 | 79 | 224 | --- |
| Barium | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0.9 | 2 | 4 | --- |
| Manganese | ppm | ASTM D5185m | 0.0 | 6 | 10 | --- |
| Magnesium | ppm | ASTM D5185m | 39 | 15 | 0 | --- |
| Calcium | ppm | ASTM D5185m | 93 | 162 | 962 | --- |
| Phosphorus | ppm | ASTM D5185m | 920 | 764 | 1376 | --- |
| Zinc | ppm | ASTM D5185m | 104 | 77 | 402 | --- |
| Sulfur | ppm | ASTM D5185m | 20179 | 20439 | 19442 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 333 | 254 | ▲ 85.4 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP437668 **Received** : 09 Jan 2024
Lab Number : 06055611 **Diagnosed** : 10 Jan 2024
Unique Number : 10821560 **Diagnostician** : Wes Davis
Test Package : MOB 1

BLUE GOOSE GROWERS
 16059 W ORANGE AVE
 FT PIERCE, FL
 US 34945
 Contact: SERVICE MANAGER

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)

T: (772)461-3020

F: