

OIL ANALYSIS REPORT

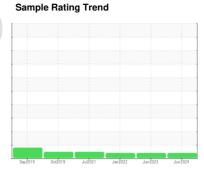


[W/O 10980] **VOLVO A25G 742134**

Component

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (10 GAL)





Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

| AL 131140 (10 C | JAL) | oupcoro | | | | |
|------------------|----------|-------------|------------|-------------|-------------|-------------|
| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | ML0002096 | VCP418134 | VCP331702 |
| Sample Date | | Client Info | | 17 Jun 2024 | 27 Jun 2023 | 12 Jan 2022 |
| Machine Age | hrs | Client Info | | 3986 | 3382 | 2629 |
| Oil Age | hrs | Client Info | | 604 | 423 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | ATTENTION | ATTENTION | ATTENTION |
| CONTAMINATIO | N | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >100 | 11 | 5 | 6 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | | 3 | 1 | <1 |
| Lead | ppm | ASTM D5185m | >40 | 0 | 0 | <1 |
| | | ASTM D5185m | | <1 | <1 | 2 |
| Copper Tin | ppm | | >330 | <1 | 0 | <1 |
| | ppm | ASTM D5185m | >15 | <1 | U | |
| Antimony | ppm | ASTM D5185m | | | | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 250 | 314 | 62 | 53 |
| Barium | ppm | ASTM D5185m | 10 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 100 | 108 | 43 | 40 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 450 | 509 | 581 | 533 |
| Calcium | ppm | ASTM D5185m | 3000 | 1446 | 1725 | 1786 |
| Phosphorus | ppm | ASTM D5185m | 1150 | 921 | 1005 | 1014 |
| Zinc | ppm | ASTM D5185m | 1350 | 1124 | 1209 | 1214 |
| Sulfur | ppm | ASTM D5185m | 4250 | 2953 | 3689 | 3087 |
| CONTAMINANTS | S | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 6 | 4 | 6 |
| Sodium | ppm | ASTM D5185m | >158 | 0 | 2 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 2 | 0 |
| Fuel | % | ASTM D3524 | >6.0 | <1.0 | <1.0 | 1.1 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >3 | 0.4 | 0.2 | 0.2 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 7.3 | 7.4 | 8.2 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 22.3 | 22.2 | 23.9 |
| FLUID DEGRAD | ATION | method | limit/base | current | history1 | history2 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 15.4 | 21.0 | 22.1 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 8.5 | 7.2 | 9.9 | 11.1 |
| | 9 9 | | | | | |



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: ML0002096 Lab Number : 06216428 Unique Number : 11089292

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received **Tested** Diagnosed

: 20 Jun 2024 : 23 Jun 2024

: 23 Jun 2024 - Don Baldridge Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND 1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060 Contact: KYLE RATLIFFE

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. KRATLIFFE@MCCLUNG-LOGAN.COM T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: VOLVO8882 [WUSCAR] 06216428 (Generated: 06/24/2024 15:45:24) Rev: 1

Submitted By: DELANO GREGORY

F: (804)266-1611