

RECOMMENDATION

Machine Id VOLVO A45G 352344

Front Axle

VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

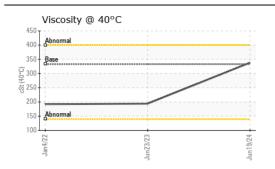
There is no indication of any contamination in the oil.

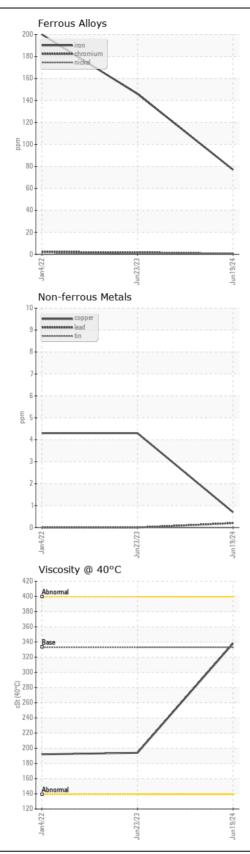
FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|--|---|---|--|---|---|
| Sample Number | | Client Info | | VCP0008177 | VCP402834 | VCP350606 |
| Sample Date | | Client Info | | 19 Jun 2024 | 23 Jun 2023 | 04 Jan 2022 |
| Machine Age | hrs | Client Info | | 0 | 4120 | 2007 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | Changed | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| Iron | ppm | ASTM D5185m | >900 | 77 | 146 | 200 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 2 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | <1 | 0 |
| Titanium | | ASTM D5185m | >10 | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm ppm | ASTM D5185m | >30 | 3 | 1 | <1 |
| Lead | | ASTM D5185m | >50 | -3 <1 | 0 | 0 |
| Copper | ppm ppm | ASTM D5185m | >150 | <1 | 4 | 4 |
| Tin | ppm | ASTM D5105m | >20 | 0 | 0 | 0 |
| Vanadium | | ASTM D5185m | >20 | 0 | <1 | 0 |
| White Metal | ppm scalar | *Visual | NONE | NONE | MODER | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | | NONE |
| | | visuai | NONL | NONE | NONE | INUNE |
| | 304141 | | | | NONE | |
| Silicon | ppm | ASTM D5185m | >50 | 5 | 5 | 6 |
| Silicon Potassium | | ASTM D5185m ASTM D5185m | >50 >20 | 5 1 | 5 1 | 6 0 |
| Silicon Potassium Water | ppm ppm | ASTM D5185m ASTM D5185m WC Method | >50 >20 >0.2 | 5 1 NEG | 5 1 NEG | 6 0 NEG |
| Silicon Potassium Water Silt | ppm | ASTM D5185m ASTM D5185m | >50 >20 >0.2 NONE | 5 1 NEG NONE | 5 1 NEG NONE | 6 0 NEG NONE |
| Silicon Potassium Water Silt Debris | ppm ppm | ASTM D5185m ASTM D5185m WC Method *Visual *Visual | >50 >20 >0.2 NONE NONE | 5 1 NEG NONE NONE | 5 1 NEG NONE NONE | 6 0 NEG NONE NONE |
| Silicon Potassium Water Silt Debris Sand/Dirt | ppm ppm scalar | ASTM D5185m ASTM D5185m WC Method *Visual *Visual | >50 >20 >0.2 NONE NONE NONE | 5 1 NEG NONE NONE NONE | 5 1 NEG NONE NONE NONE | 6 0 NEG NONE NONE NONE |
| Silicon Potassium Water Silt Debris | ppm ppm scalar scalar | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual | >50 >20 >0.2 NONE NONE NONE NORML | 5 1 NEG NONE NONE NONE NORML | 5 1 NEG NONE NONE NONE NORML | 6 0 NEG NONE NONE NONE NORE |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor | ppm ppm scalar scalar scalar | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual | >50 >20 >0.2 NONE NONE NONE | 5 1 NEG NONE NONE NONE NORML NORML | 5 1 NEG NONE NONE NONE | 6 0 NEG NONE NONE NONE |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance | ppm ppm scalar scalar scalar scalar | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual | >50 >20 >0.2 NONE NONE NONE NORML | 5 1 NEG NONE NONE NONE NORML | 5 1 NEG NONE NONE NONE NORML | 6 0 NEG NONE NONE NONE NORML |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor | ppm ppm scalar scalar scalar scalar scalar | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual | >50 >20 >0.2 NONE NONE NONE NORML | 5 1 NEG NONE NONE NONE NORML NORML | 5 1 NEG NONE NONE NONE NORML NORML | 6 0 NEG NONE NONE NONE NORML NORML |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water | ppm ppm scalar scalar scalar scalar scalar scalar | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual | >50 >20 >0.2 NONE NONE NONE NORML | 5 1 NEG NONE NONE NONE NORML NORML NEG | 5 1 NEG NONE NONE NONE NORML NORML NEG | 6 0 NEG NONE NONE NONE NORML NORML NEG |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium | ppm ppm scalar scalar scalar scalar scalar scalar | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m | >50 >20 >0.2 NONE NONE NORML NORML >0.2 | 5 1 NEG NONE NONE NORML NORML NEG | 5 1 NEG NONE NONE NORML NORML NEG <1 | 6 0 NEG NONE NONE NORML NORML NEG 0 |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron | ppm ppm scalar scalar scalar scalar scalar scalar gpm | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m | >50 >20 >0.2 NONE NONE NORML >0.2 | 5 1 NEG NONE NONE NORML NORML NEG <1 213 | 5 1 NEG NONE NONE NORML NORML NEG <1 168 | 6 0 NEG NONE NONE NORML NORML NEG 0 190 |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium | ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m | >50 >20 >0.2 NONE NONE NORML NORML >0.2 | 5 1 NEG NONE NONE NORML NORML NEG <1 213 0 | 5 1 NEG NONE NONE NONE NORML NORML NEG <1 168 0 | 6 0 NEG NONE NONE NORML NORML NEG 0 190 0 |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum | ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m | >50 >20 >0.2 NONE NORML NORML >0.2 1111 0.0 | 5 1 NEG NONE NONE NORML NORML NEG <1 213 0 <1 | 5 1 NEG NONE NONE NORML NORML NEG <1 168 0 7 | 6 0 NEG NONE NONE NORML NORML NEG 0 190 0 7 |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese | ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >50 >20 >0.2 NONE NORME NORML >0.2 1111 0.0 0.9 0.0 | 5 1 NEG NONE NONE NORML NORML NEG <1 213 0 <1 1 | 5 1 NEG NONE NONE NORML NORML NEG <1 168 0 7 7 | 6 0 NEG NONE NONE NORML NORML NEG 0 190 0 7 7 |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium | ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >50 >20 >0.2 NONE NONE NORML >0.2 1111 0.0 0.9 0.0 39 | 5 1 NEG NONE NONE NORML NORML NEG <1 213 0 <1 1 213 4 | 5 1 NEG NONE NONE NORML NORML NORML 168 0 7 7 7 51 | 6 0 NEG NONE NONE NONE NORML NEG 0 190 0 7 7 7 48 |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium | ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >50 >20 >0.2 NONE NONE NORML NORML >0.2 1111 0.0 0.9 0.0 39 93 | 5 1 NEG NONE NONE NORML NORML NEG <1 213 0 <1 1 1 4 11 | 5 1 NEG NONE NONE NORML NORML NEG <1 168 0 7 7 7 51 208 | 6 0 NEG NONE NONE NORML NORML NEG 0 190 0 190 0 7 7 7 48 206 |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum Manganese Magnesium | ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >50 >20 >0.2 NONE NORME NORML >0.2 111 0.0 0.9 0.0 39 93 920 | 5 1 NEG NONE NONE NORML NORML NEG <1 213 0 <1 1 1 4 1 1 4 11 | 5 1 NEG NONE NONE NORML NORML NEG (1 168 0 (1 7 7 51 208 1024 | 6 0 NEG NONE NONE NORML NORML NEG 0 190 0 190 7 7 48 206 957 |

Submitted By: TECHNICIAN ACCOUNT





ALTA EQUIPMENT COMPANY 8750 PHILIPS HWY JACKSONVILLE, FL US 32256 Contact: SHAWN NORTHCRAFT shawn.northcraft@altg.com T: (904)737-6000 Ie (JCGM 106:2012) F: (904)737-1260



 Unique Number
 : 11100858
 Diagnosed
 : 29 Jun 2024 - Don Baldridge

 Certificate 12367
 Test Package
 : CONST
 Contact: SHAW

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 shawn.no

 * - 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)

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

Received

Tested

: 27 Jun 2024

: 28 Jun 2024

Laboratory

Sample No.

Lab Number : 06222661

: VCP0008177

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