



[5520DR KINSLEY] Wachine Id VOLVO A40E 13563

Drop Box

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

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.



The iron level is abnormal. Gear wear is indicated.

CONTAMINATION

There is no indication of any contamination in the oil.

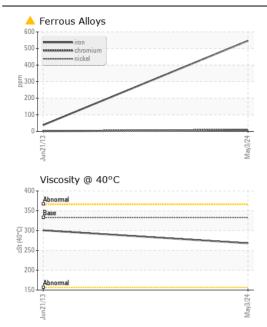
FLUID CONDITION

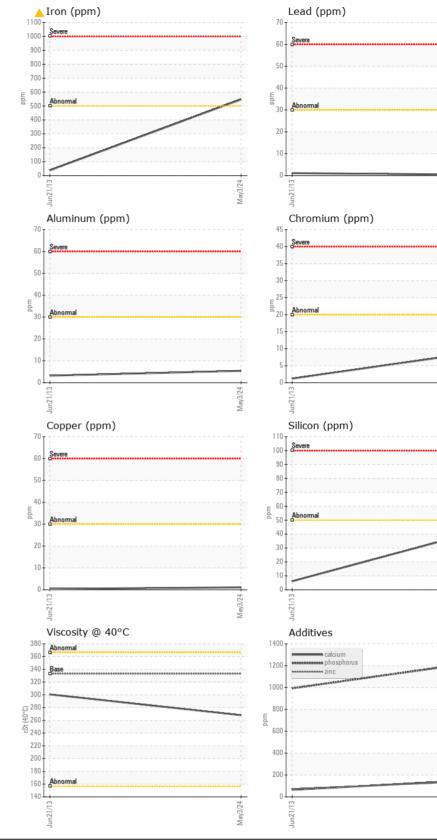
The condition of the oil is acceptable for the time in service.

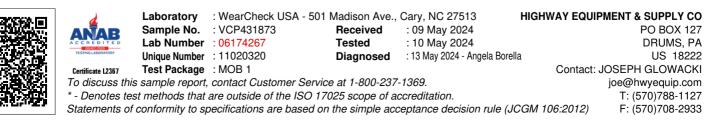
| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--|---|---|---|---|--|--------------|
| Sample Number | 001/1 | Client Info | LIIIIUADI | VCP431873 | VCP146015 | |
| Sample Number | | Client Info | | 03 May 2024 | 21 Jun 2013 | |
| Machine Age | hrs | Client Info | | 13358 | 2149 | |
| Oil Age | hrs | Client Info | | 1000 | 0 | |
| Filter Age | hrs | Client Info | | 0 | 0 | |
| Oil Changed | 1115 | Client Info | | Changed | Changed | |
| Filter Changed | | Client Info | | N/A | N/A | |
| Sample Status | | | | ABNORMAL | NORMAL | |
| | | | | | | |
| Iron | ppm | ASTM D5185m | >500 | 🔺 547 | 38 | |
| Chromium | ppm | ASTM D5185m | >20 | 9 | 1 | |
| Nickel | ppm | ASTM D5185m | >10 | 4 | 0 | |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | |
| Silver | ppm | ASTM D5185m | | 0 | 0 | |
| Aluminum | ppm | ASTM D5185m | >30 | 5 | 3 | |
| Lead | ppm | ASTM D5185m | >30 | <1 | 1 | |
| Copper | ppm | ASTM D5185m | >30 | 1 | <1 | |
| Tin | ppm | ASTM D5185m | >20 | 0 | 0 | |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | |
| White Metal | scalar | *Visual | NONE | NONE | LIGHT | |
| Yellow Metal | scalar | *\/iouol | NONE | NONE | | |
| renow wetai | Scalal | *Visual | NONE | NONE | NONE | |
| | | | | | | |
| Silicon | ppm | ASTM D5185m | >50 | 43 | 6 | |
| Silicon Potassium | | ASTM D5185m ASTM D5185m | >50 >20 | 43 1 | 6 0 | |
| Silicon Potassium Water | ppm ppm | ASTM D5185m ASTM D5185m WC Method | >50 >20 >0.2 | 43 1 NEG | 6 0 NEG | |
| Silicon Potassium Water Silt | ppm ppm scalar | ASTM D5185m ASTM D5185m WC Method *Visual | >50 >20 >0.2 NONE | 43 1 NEG NONE | 6 0 NEG NONE | |
| Silicon Potassium Water Silt Debris | ppm ppm scalar scalar | ASTM D5185m ASTM D5185m WC Method *Visual *Visual | >50 >20 >0.2 NONE NONE | 43 1 NEG NONE NONE | 6 0 NEG NONE NONE | |
| Silicon Potassium Water Silt Debris Sand/Dirt | ppm ppm scalar scalar scalar | ASTM D5185m ASTM D5185m WC Method *Visual *Visual | >50 >20 >0.2 NONE NONE NONE | 43 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 | 43 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 NORML | 43 1 NEG NONE NONE NONE NORML NORML | 6 0 NEG NONE NONE NONE NORML NORML | |
| 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 | 43 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 NORML | 43 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 NORML | 43 1 NEG NONE NONE NORML NORML NEG | 6 0 NEG 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 | 43 1 NEG NONE NONE NORML NORML NEG 2 | 6 0 NEG NONE NONE NORML NORML NEG 1 | |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron | 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 NORME NORML >0.2 | 43 1 NEG NONE NONE NORML NORML NEG 2 128 | 6 0 NEG NONE NONE NORML NORML NEG 1 55 | |
| 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 | 43 1 NEG NONE NONE NORML NORML NEG 2 128 2 | 6 0 NEG NONE NONE NONE NORML NORML NEG 1 55 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 NORME NORML >0.2 1111 0.0 | 43 1 NEG NONE NONE NORML NORML NEG 2 128 2 45 | 6 0 NEG NONE NONE NORML NORML NEG 1 55 0 2 | |
| 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 NONE NORML >0.2 1111 0.0 0.9 0.0 | 43 1 NEG NONE NONE NORML NORML NEG 2 128 2 128 2 45 7 | 6 0 NEG NONE NONE NORML NORML NEG 1 55 0 2 2 | |
| 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 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 | 43 1 NEG NONE NONE NORML NORML NEG 2 128 2 128 2 45 7 8 | 6 0 NEG NONE NONE NONE NORML NORML NEG 1 55 0 2 1 5 5 | |
| 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 ASTM D5185m 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 | 43 1 NEG NONE NONE NORML NORML NEG 2 128 2 45 7 8 8 158 | 6 0 NEG NONE NONE NORML NORML NEG 1 55 0 2 1 5 5 64 | |
| Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium | 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 ASTM D5185m | >50 >20 >0.2 NONE NORME NORML >0.2 111 0.0 0.9 0.0 39 93 920 | 43 1 NEG NONE NONE NORML NORML 2 128 2 128 2 45 7 8 158 158 | 6 0 NEG NONE NONE NORML NORML NEG 1 55 0 2 1 5 5 0 2 1 5 5 64 992 | |

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Contact/Location: JOSEPH GLOWACKI - VOLVO0022







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