

## CONSTRUCTION EQUIPMENT 594089 DIPRO VOLVO L220H 3352 - FRONT AXLE



Sample No: VCP411898

Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102

**Job No:** 594089 DIPRO

Sample Number   VCP411898   VCP421774
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Sample Date   14 Aug 2023   21 Mar 2023
Machine Hours         6368         4140             Oil Hours         2000         4140             Oil Changed         Not Changed             Sample Status         NORMAL         NORMAL             CONTAMINATION           Silicon         ppm         9         15             Sodium         ppm         0         9             VOLVO         WEAR METALS           Iron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
Oil Hours         2000         4140             Oil Changed         Not Changed             Sample Status         NORMAL         NORMAL            Visc @ 40°C         cSt         41.1         40.5            CONTAMINATION           Silicon         ppm         9         15             Sodium         ppm         0         99             Potassium         ppm         2         1             WEAR METALS         171              Lead         ppm         45         171             Lead         ppm         <1
NORMAL   N
NORMAL   N
OIL CONDITION           Visc @ 40°C         cSt         41.1         40.5             CONTAMINATION           Silicon         ppm         9             Sodium         ppm         0         9             Potassium         ppm         2         1             Iron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
OIL CONDITION           Visc @ 40°C         CSt         41.1         40.5             CONTAMINATION           Silicon         ppm         9         15             Sodium         ppm         0         9             Potassium         ppm         2         11             Iron         ppm         2         7             Copper         ppm         2         7             Lead         ppm         <1
Visc @ 40°C         cSt         41.1         40.5             Silicon         ppm         9         15             Sodium         ppm         0         9             Potassium         ppm         2         1             Liron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
CONTAMINATION  Silicon ppm 9 15  Sodium ppm 0 9  Potassium ppm 2 11  WEAR METALS  Iron ppm 45 171  Copper ppm 2 17  Lead ppm 1 < 1 0  Tin ppm 0 < 1  Aluminum ppm 1 < 1 1  Chromium ppm 1 < 1 1 1
CONTAMINATION           Silicon         ppm         9         15             Sodium         ppm         0         9             Potassium         ppm         2         1             Iron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
Silicon         ppm         9         15             Sodium         ppm         0         9             Potassium         ppm         2         1             Iron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
Sodium         ppm         0         9             Potassium         ppm         2         1             Iron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
Potassium         ppm         2         1             WEAR METALS           Iron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
WEAR METALS           Iron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
WEAR METALS           Iron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
WEAR METALS           Iron         ppm         45         171             Copper         ppm         2         7             Lead         ppm         <1
Copper         ppm         2         7             Lead         ppm         <1
Lead         ppm              Tin         ppm         0         -1             Aluminum         ppm         -1         1             Chromium         ppm         -1         4
Tin         ppm         0         <1             Aluminum         ppm         <1         1             Chromium         ppm         <1         4
Aluminum ppm
Chromium ppm <b>■&lt;1</b>
Molybdenum ppm <pre> &lt;1</pre>
Nickel ppm
Titanium ppm <b>0</b> 0
Silver ppm 0 0
Manganese         ppm         ■1         ■6             Vanadium         ppm         0         0
Vanadium         ppm         0
VOLVO
ADDITION
Calcium ppm <b>3023</b> 3707
Magnesium         ppm         ■9         ■13
Zinc ppm <b>1366</b> 1585
Phosphorus ppm <b>■ 1198</b> ■ 1314
<b>Barium</b> ppm <b>■0</b> ■0
Boron ppm <b>21</b> 137



ALTA EQUIPMENT COMPANY - METRO WEST 56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: PAUL CONZ paul.conz@altg.com T: (313)348-8861 F: (248)356-2029

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:VOLVO2990Unique No:10616968Signed:Don BaldridgeReport Date:24 Aug 2023



## **CONSTRUCTION EQUIPMENT**





## GRAPHS

