WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

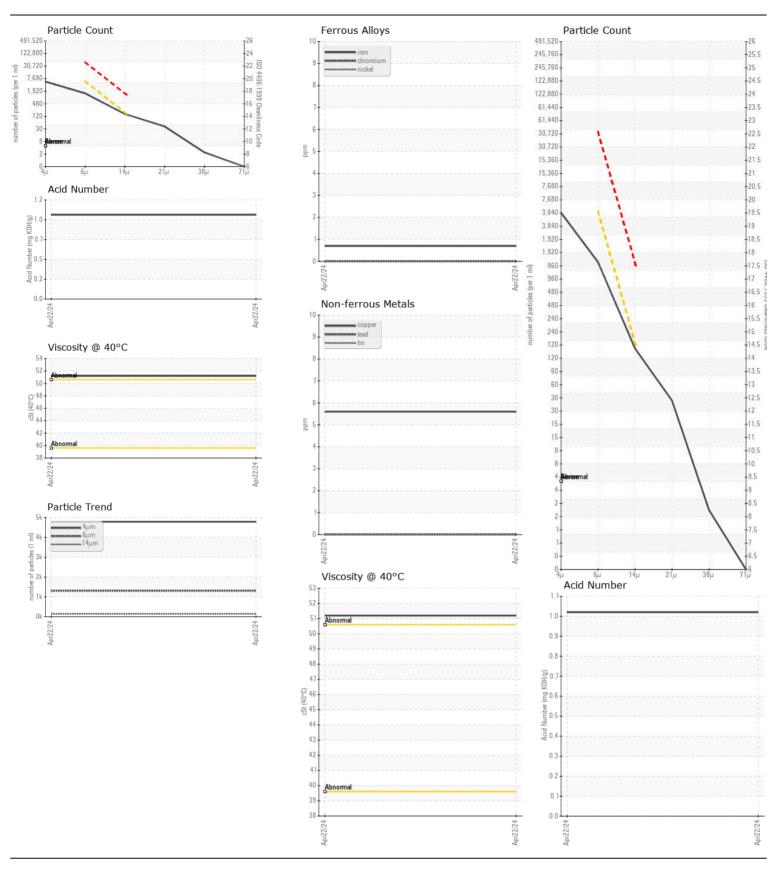


VOLVO A30G 340072

Hydraulic System

{not provided} (--- GAL)

| Test   | {IIOt provided} ( GAL)   |                         |        |              |               |          |          |          |
|--|--|-------------------------|--------|--------------|---------------|----------|----------|----------|
| Rosample at the next service interval to monitor.  | RECOMMENDATION   | Test                    | UOM    | Method       | Limit/Abn     | Current  | History1 | History2 |
| Sample Date   Client Info   2 24 pro204  | TESSMINICIDATION   |                         | 33111  |              |               |          | ,        | ,        |
| Machine Age   hrs   Client Info   11356  | Resample at the next service interval to monitor.                      |                         |        |              |               |          |          |          |
| Collage  |  |                         | hrs    |              |               |          |          |          |
| Filter Age   hrs   Client Info   N/A   |  | Oil Age                 |        | Client Info  |               | 11356    |          |          |
| Oil Changed   Client Info   NA   NA   NORMAL   |  | -                       | hrs    | Client Info  |               | 0        |          |          |
| Filter Changed Sample Status   |  |                         |        |              |               | N/A      |          |          |
| Nome   |  |                         |        | Client Info  |               | N/A      |          |          |
| Iron   |  |                         |        |              |               |          |          |          |
| All component wear rates are normal.    Chromium   ppm   ASTM D5185m   20   0         Titanium   ppm   ASTM D5185m   20   0         All uninum   ppm   ASTM D5185m   20   0         ASTM D5185m   20   0         All uninum   ppm   ASTM D5185m   20   0         All uninum   ppm   ASTM D5185m   20   0  |  |                         |        |              |               |          |          |          |
| Nicket   Ppm   ASTM D5185m   0   | WEAR   | Iron                    | ppm    |              |               |          |          |          |
| Titanium   pm  | All component wear rates are normal.                                   |                         | ppm    |              |               |          |          |          |
| Silver   ppm   ASTM D5186m   >20   0   |  | Nickel                  | ppm    |              | >10           |          |          |          |
| Aluminum   ppm   ASTM D5185m   >20   0   |  |                         | ppm    |              |               |          |          |          |
| Lead   |  |                         | ppm    |              |               |          |          |          |
| Copper   |  |                         | ppm    |              |               |          |          |          |
| Tin  |  |                         |        |              |               |          |          |          |
| Vanadium   Vanadium  |  |                         | ppm    |              |               |          |          |          |
| White Metal Yellow Metal Scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON   |  |                         |        |              | >20           |          |          |          |
| Vallow Metal   Scalar   Visual   NONE   NONE           NONE            |  |                         |        |              |               | _        |          |          |
| Silicon   ppm   ASTM DS185m   >20   12   |  |                         |        |              |               |          |          |          |
| Potassium   ppm   ASTM D5185m   20   0   |  | Yellow Metal            | scalar | *Visual      | NONE          | NONE     |          |          |
| Potassium   ppm   ASTM D5185m   20   0   | CONTAMINATION  | Silicon                 | nnm    | ASTM D5185m  | <b>&gt;20</b> | 12       |          |          |
| Water   WC Method   >0.1   NEG       NEG       NEG       NEG       NEG                   | CONTAININATION   |                         |        |              |               |          |          |          |
| Particles >4µm   | ·  |                         | ррпп   |              |               |          |          |          |
| Particles >6 jum   |  |                         |        |              | 20.1          |          |          |          |
| Particles >14µm  |  |                         |        |              | >5000         |          |          |          |
| Particles > 21 \( \mu\)   ASTM D7647   > 40   35         Particles > 38 \( \mu\)   ASTM D7647   > 10   2       Particles > 71 \( \mu\)   ASTM D7647   > 30   0       Particles > 71 \( \mu\)   ASTM D7647   > 30   0       Particles > 71 \( \mu\)   ASTM D7647   > 30   0       Oil Cleanliness   ISQ 4406 (c)   >   914   19/18/14         Silt   scalar "Visual   NONE   NONE   NONE       Debris   scalar "Visual   NONE   NONE   NONE       Sand/Dirt   scalar "Visual   NORML   NORM   |  |                         |        |              |               |          |          |          |
| Particles >38µm   ASTM D7647   >10   2         Particles >71µm   ASTM D7647   >3   0         Oil Cleanliness   Sils of 406 (p. >/19/14   19/18/14         Silf of Scalar   *Visual   NONE   LIGHT         Debris   Scalar   *Visual   NONE   LIGHT         Sand/Dirt   Scalar   *Visual   NORML   NO   |  |                         |        |              |               |          |          |          |
| Particles >71 \( \mu\)   ASTM \( D7647 \) >3   0         Oil Cleanliness   ISO 4406 (c)   >19/14   19/18/14         Silt   Scalar *Visual   NONE   NONE         Debris   Scalar *Visual   NONE   LIGHT         Sand/Dirt   Scalar *Visual   NONE   LIGHT         Sand/Dirt   Scalar *Visual   NORML   NORM   |  |                         |        |              |               |          |          |          |
| Oil Cleanliness   SO 4406 (c)   >-/19/14   19/18/14  |  |                         |        |              |               |          |          |          |
| Silt   Scalar *Visual NONE   NONE   NONE   Scalar *Visual NONE   NONE   NONE   Scalar *Visual NONE   NORML   NOR |  |                         |        | ISO 4406 (c) | >/19/14       | 19/18/14 |          |          |
| Sand/Dirt   Scalar   *Visual   NONE   NONE       NONE   Appearance   Scalar   *Visual   NORML   NORM         |  | Silt                    | scalar |              |               |          |          |          |
| Sand/Dirt   Scalar   *Visual   NONE   NONE         Appearance   Scalar   *Visual   NORML   NORML   NORML     Odor   Scalar   *Visual   NORML   NORML   NORML     Emulsified Water   Scalar   *Visual   NORML   NORML   NORML     Emulsified Water   Scalar   *Visual   >0.1   NEG       The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.   |  | Debris                  | scalar | *Visual      | NONE          | LIGHT    |          |          |
| Odor   Scalar *Visual   NORML   NORML   Scalar *Visual   Scalar *Visual   Scalar *Visual   NORML   N |  | Sand/Dirt               | scalar | *Visual      | NONE          | NONE     |          |          |
| Emulsified Water   scalar   *Visual   >0.1   NEG   |  | Appearance              | scalar | *Visual      | NORML         | NORML    |          |          |
| Sodium   ppm   ASTM D5185m   4   |  | Odor                    | scalar | *Visual      | NORML         | NORML    |          |          |
| Boron   ppm   ASTM D5185m   100             Barium   ppm   ASTM D5185m   0           Molybdenum   ppm   ASTM D5185m   8           Magnesium   ppm   ASTM D5185m   0           Magnesium   ppm   ASTM D5185m   0           Magnesium   ppm   ASTM D5185m   55           Calcium   ppm   ASTM D5185m   3236           Phosphorus   ppm   ASTM D5185m   1037           Zinc   ppm   ASTM D5185m   1332           Sulfur   ppm   ASTM D5185m   8209           Acid Number (AN)   mg KOH/g   ASTM D8045   1.02  |  | <b>Emulsified Water</b> | scalar | *Visual      | >0.1          | NEG      |          |          |
| Boron   ppm   ASTM D5185m   100           Barium   ppm   ASTM D5185m   0           Molybdenum   ppm   ASTM D5185m   8           Magnesium   ppm   ASTM D5185m   0           Magnesium   ppm   ASTM D5185m   0           Magnesium   ppm   ASTM D5185m   55           Calcium   ppm   ASTM D5185m   3236           Phosphorus   ppm   ASTM D5185m   1037           Zinc   ppm   ASTM D5185m   1332           Sulfur   ppm   ASTM D5185m   8209           Acid Number (AN)   mg KOH/g   ASTM D8045   1.02  | ELLUD CONDITION  |                         |        |              |               |          |          |          |
| Barium   ppm   ASTM D5185m   Double   Policy   Pol | FLUID CONDITION  |                         |        |              |               |          |          |          |
| Molybdenum   ppm   ASTM D5185m   8         Magnesium   ppm   ASTM D5185m   0         Magnesium   ppm   ASTM D5185m   55         Calcium   ppm   ASTM D5185m   3236         Phosphorus   ppm   ASTM D5185m   1037         Zinc   ppm   ASTM D5185m   1332         Sulfur   ppm   ASTM D5185m   8209         Acid Number (AN)   mg KOH/g   ASTM D8045   1.02   | The AN level is acceptable for this fluid. The condition of the oil is |                         |        |              |               |          |          |          |
| Molybdenum         ppm         ASTM D5185m         8             Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         55             Calcium         ppm         ASTM D5185m         3236             Phosphorus         ppm         ASTM D5185m         1037             Zinc         ppm         ASTM D5185m         1332             Sulfur         ppm         ASTM D5185m         8209             Acid Number (AN)         mg KOH/g         ASTM D8045         1.02   | ·  |                         |        |              |               |          |          |          |
| Magnesium         ppm         ASTM D5185m         55             Calcium         ppm         ASTM D5185m         3236             Phosphorus         ppm         ASTM D5185m         1037             Zinc         ppm         ASTM D5185m         1332             Sulfur         ppm         ASTM D5185m         8209             Acid Number (AN)         mg KOH/g         ASTM D8045         1.02  |  |                         |        |              |               |          |          |          |
| Calcium         ppm         ASTM D5185m         3236             Phosphorus         ppm         ASTM D5185m         1037             Zinc         ppm         ASTM D5185m         1332             Sulfur         ppm         ASTM D5185m         8209             Acid Number (AN)         mg KOH/g         ASTM D8045         1.02   |  |                         |        |              |               |          |          |          |
| Phosphorus         ppm         ASTM D5185m         1037             Zinc         ppm         ASTM D5185m         1332             Sulfur         ppm         ASTM D5185m         8209             Acid Number (AN)         mg KOH/g         ASTM D8045         1.02  |  |                         |        |              |               |          |          |          |
| Zinc         ppm         ASTM D5185m         1332             Sulfur         ppm         ASTM D5185m         8209             Acid Number (AN)         mg KOH/g         ASTM D8045         1.02  |  |                         |        |              |               |          |          |          |
| Sulfur         ppm         ASTM D5185m         8209             Acid Number (AN)         mg KOH/g         ASTM D8045         1.02  |  | •                       |        |              |               |          |          |          |
| Acid Number (AN) mg KOH/g ASTM D8045 1.02  |  |                         |        |              |               |          |          |          |
|  |  |                         |        |              |               |          |          |          |
| VISC @ 40°C CSt ASTWI D445   |  |                         |        |              |               |          |          |          |
|  |  | visc @ 40°C             | USI    | A311VI D445  |               | 31.2     |          |          |





Certificate L2367

Laboratory Sample No.

: ML0000988 Lab Number : 06159005 Unique Number : 10994428 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested** : 25 Apr 2024 Diagnosed

: 25 Apr 2024 - Don Baldridge

**WILLIAM HAZEL PO BOX 600** CHANTILLY, VA US 20153 Contact: SERVICE MANAGER

jimmy\_elswick@wahazel.com T: (703)378-8300

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)

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