

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(351146)] LIEBHERR A918 131283-1508 - Transmission (Auto)

Sample No: LH0286695

Oil Type: PETRO CANADA 10W40



THOMAS CAVANAGH CONSTRUCTION LTD  
RR # 2, 9094 CAVANAGH ROAD  
ASHTON, ON  
CA K0A 1B0  
Contact: Keith

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#### Information sur l'échantillon

|                      |             |             |             |     |
|----------------------|-------------|-------------|-------------|-----|
| Numéro d'échant.     | LH0286695   | LH0274419   | LH0242420   | --- |
| Date d'échant.       | 23 Jun 2024 | 18 Aug 2023 | 01 Nov 2022 | --- |
| Heures de la Machine | 3983        | 2990        | 2002        | --- |
| Heures de l'huile    | 0           | 0           | 0           | --- |
| Huile changée        | Changed     | Changed     | Changed     | --- |
| Statut de l'échant.  | NORMAL      | NORMAL      | NORMAL      | --- |



#### État d'huile

|           |     |      |      |      |     |
|-----------|-----|------|------|------|-----|
| Visc 40°C | cSt | 51.8 | 47.0 | 41.2 | --- |
|-----------|-----|------|------|------|-----|



#### Contamination

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Eau       | %   | NEG | NEG | NEG | --- |
| Silicium  | ppm | 3   | 4   | 4   | --- |
| Sodium    | ppm | 19  | 33  | 50  | --- |
| Potassium | ppm | 3   | 3   | 5   | --- |



#### Métaux d'usure

|           |     |    |    |     |     |
|-----------|-----|----|----|-----|-----|
| Fer       | ppm | 47 | 61 | 63  | --- |
| Cuivre    | ppm | 64 | 92 | 108 | --- |
| Plomb     | ppm | 1  | 5  | 5   | --- |
| Étain     | ppm | 1  | 2  | 2   | --- |
| Aluminium | ppm | 2  | 3  | 4   | --- |
| Chrome    | ppm | <1 | <1 | <1  | --- |
| Molybdène | ppm | 38 | 20 | 0   | --- |
| Nickel    | ppm | <1 | 0  | <1  | --- |
| Titane    | ppm | <1 | <1 | <1  | --- |
| Argent    | ppm | 0  | <1 | 0   | --- |
| Manganèse | ppm | 10 | 14 | 21  | --- |
| Vanadium  | ppm | 0  | 0  | <1  | --- |



#### Additifs

|           |     |      |      |      |     |
|-----------|-----|------|------|------|-----|
| Calcium   | ppm | 1756 | 2291 | 3356 | --- |
| Magnésium | ppm | 629  | 315  | 7    | --- |
| Zinc      | ppm | 1139 | 1095 | 1132 | --- |
| Phosphore | ppm | 1056 | 1143 | 1186 | --- |
| Baryum    | ppm | <1   | <1   | 1    | --- |
| Bore      | ppm | 11   | 21   | 5    | --- |

#### Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Depot: CAVASH  
Unique No: 5801768  
Signed: Kevin Marson  
Report Date: 27 Jun 2024



### Graphs

