

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 058691-1464 - Diesel Engine

Sample No: LH0276175

Oil Type: SAE 10W40



INFORMATION SUR L'ÉCHANTILLON

| | | | | | |
|----------------------|--|-------------|-------------|-------------|-----|
| Numéro d'échant. | | LH0276175 | LH0237316 | LH | --- |
| Date d'échant. | | 14 Sep 2023 | 02 Nov 2022 | 14 Jul 2022 | --- |
| Heures de la Machine | | 3196 | 1759 | 997 | --- |
| Heures de l'huile | | 0 | 0 | 0 | --- |
| Huile changée | | N/A | Changed | Changed | --- |
| Statut de l'échant. | | ABNORMAL | ABNORMAL | ABNORMAL | --- |

OXFORD SAND AND GRAVEL LTD
594728 OXFORD 59
WOODSTOCK, ON
CA N4S 7V8
Contact: Service Manager



ÉTAT D'HUILE

| | | | | | |
|----------------|-----|------|------|------|-----|
| Visc 100°C | cSt | 11.1 | 13.1 | 11.7 | --- |
| Oxydation (PA) | % | 90 | 71 | 87 | --- |

T:
F:



CONTAMINATION

| | | | | | |
|------------------|-----|-----|------|-----|-----|
| % de suie | % | 0 | 0 | 0 | --- |
| Nitration (PA) | % | 70 | 70 | 70 | --- |
| Sulfatation (PA) | % | 63 | 57 | 65 | --- |
| Glycol | % | NEG | NEG | NEG | --- |
| Essence | % | 1.5 | <1.0 | 1.4 | --- |
| Silicium | ppm | 7 | 6 | 8 | --- |
| Sodium | ppm | 3 | 2 | 4 | --- |
| Potassium | ppm | <1 | <1 | 3 | --- |

Diagnostic

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



MÉTAUX D'USURE

| | | | | | |
|-----------|-----|----|-----|----|-----|
| Fer | ppm | 6 | 10 | 8 | --- |
| Cuivre | ppm | 48 | 231 | 13 | --- |
| Plomb | ppm | 2 | 6 | 1 | --- |
| Étain | ppm | <1 | <1 | <1 | --- |
| Aluminium | ppm | 1 | 1 | 1 | --- |
| Chrome | ppm | <1 | <1 | 0 | --- |
| Molybdène | ppm | 41 | 58 | 57 | --- |
| Nickel | ppm | <1 | 0 | 0 | --- |
| Titane | ppm | <1 | <1 | <1 | --- |
| Argent | ppm | <1 | 0 | <1 | --- |
| Manganèse | ppm | <1 | <1 | <1 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIFS

| | | | | | |
|-----------|-----|------|------|------|-----|
| Calcium | ppm | 1738 | 1086 | 936 | --- |
| Magnésium | ppm | 511 | 984 | 1092 | --- |
| Zinc | ppm | 900 | 1183 | 1204 | --- |
| Phosphore | ppm | 791 | 1047 | 998 | --- |
| Baryum | ppm | 0 | <1 | 2 | --- |
| Bore | ppm | 24 | 4 | 40 | --- |

Depot: OXF594WOO
Unique No: 5643754
Signed: Bill Quesnel
Report Date: 18 Sep 2023



GRAPHS

