

LIEBHERR

CONSTRUCTION EQUIPMENT



120280-1216 - Diesel Engine

Sample No: LH0276849

Oil Type: PETRO CANADA SUPREME 5W30



INFORMATION SUR L'ÉCHANTILLON

| Número d'échant. | LH0276849 | LH0186041 | LH0202613 | LH0186293 |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant. | 03 Nov 2023 | 05 May 2022 | 16 Nov 2021 | 07 Jun 2021 |
| Heures de la Machine | 8000 | 5066 | 4046 | 3041 |
| Heures de l'huile | 0 | 0 | 0 | 0 |
| Huile changée | Changed | Changed | Changed | Changed |
| Statut de l'échant. | NORMAL | NORMAL | NORMAL | NORMAL |

American Iron and Metal
1273 Kelly Lake Rd.
Sudbury, ON
CA P3E 5P5
Contact: Service Manager



ÉTAT D'HUILE

| | | | | | |
|----------------|-----|------|------|------|------|
| Visc 100°C | cSt | 11.3 | 13.2 | 13.6 | 12.7 |
| Oxydation (PA) | % | 84 | 76 | 76 | 64 |

T:
F:



CONTAMINATION

| | | | | | |
|------------------|-----|------|------|------|------|
| Eau | % | NEG | NEG | NEG | NEG |
| % de suie | % | 0 | 0 | 0 | 0 |
| Nitration (PA) | % | 86 | 78 | 72 | 72 |
| Sulfatation (PA) | % | 59 | 64 | 64 | 55 |
| Glycol | % | NEG | NEG | NEG | NEG |
| Essence | % | <1.0 | <1.0 | <1.0 | <1.0 |
| Silicium | ppm | 7 | 8 | 6 | 6 |
| Sodium | ppm | 4 | 3 | 2 | 2 |
| Potassium | ppm | <1 | 2 | 7 | <1 |

Diagnostic

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.



MÉTAUX D'USURE

| | | | | | |
|-----------|-----|----|----|----|----|
| Fer | ppm | 6 | 4 | 3 | 5 |
| Cuivre | ppm | 2 | 1 | 1 | 2 |
| Plomb | ppm | <1 | 0 | 0 | <1 |
| Étain | ppm | <1 | <1 | <1 | <1 |
| Aluminium | ppm | 2 | <1 | <1 | 1 |
| Chrome | ppm | <1 | 0 | 0 | <1 |
| Molybdène | ppm | 58 | 20 | 4 | 57 |
| Nickel | ppm | 0 | <1 | <1 | <1 |
| Titane | ppm | 0 | <1 | 0 | 0 |
| Argent | ppm | 0 | <1 | <1 | <1 |
| Manganèse | ppm | 0 | <1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIFS

| | | | | | |
|-----------|-----|------|------|------|------|
| Calcium | ppm | 817 | 1625 | 2122 | 1005 |
| Magnésium | ppm | 1099 | 391 | 82 | 986 |
| Zinc | ppm | 1168 | 1129 | 1208 | 1258 |
| Phosphore | ppm | 1011 | 993 | 1055 | 1005 |
| Baryum | ppm | 0 | 0 | <1 | <1 |
| Bore | ppm | 19 | 73 | 133 | 4 |

Depot: AIMSUD
Unique No: 5698000
Signed: Wes Davis
Report Date: 22 Dec 2023



GRAPHS

