

LIEBHERR

CONSTRUCTION EQUIPMENT



123312-1216 - Front Left Wheel Hub

Sample No: LH0270489

Oil Type: GEAR OIL SAE 80W90



INFORMATION SUR L'ÉCHANTILLON

| | | | | |
|----------------------|-------------|-------------|-------------|-----|
| Numéro d'échant. | LH0270489 | LH0242278 | LH | --- |
| Date d'échant. | 23 Jul 2023 | 14 Oct 2022 | 19 Aug 2021 | --- |
| Heures de la Machine | 3278 | 2145 | 454 | --- |
| Heures de l'huile | 0 | 0 | 0 | --- |
| Huile changée | Changed | Changed | Changed | --- |
| Statut de l'échant. | NORMAL | NORMAL | NORMAL | --- |

American Iron and Metal
3518 DAVIS DRIVE
EAST GWILLIMBURY, ON
CA L0G 1E0
Contact: Service Manager



ÉTAT D'HUILE

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Visc 40°C | cSt | 102 | 114 | 147 | --- |
|-----------|-----|-----|-----|-----|-----|

T:
F:



CONTAMINATION

| | | | | | |
|-----------|-----|----|---|----|-----|
| Silicium | ppm | 4 | 6 | 13 | --- |
| Sodium | ppm | 7 | 9 | 9 | --- |
| Potassium | ppm | <1 | 1 | 2 | --- |

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. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The condition of the oil is acceptable for the time in service.



MÉTAUX D'USURE

| | | | | | |
|-----------|-----|----|----|----|-----|
| Fer | ppm | 28 | 35 | 27 | --- |
| Cuivre | ppm | 15 | 21 | 18 | --- |
| Plomb | ppm | <1 | <1 | 1 | --- |
| Étain | ppm | 0 | 0 | 0 | --- |
| Aluminium | ppm | <1 | 1 | 2 | --- |
| Chrome | ppm | <1 | 0 | <1 | --- |
| Molybdène | ppm | <1 | <1 | 2 | --- |
| Nickel | ppm | 0 | 0 | <1 | --- |
| Titane | ppm | 0 | 0 | 0 | --- |
| Argent | ppm | 0 | 0 | <1 | --- |
| Manganèse | ppm | 1 | 2 | 2 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIFS

| | | | | | |
|-----------|-----|------|------|------|-----|
| Calcium | ppm | 69 | 101 | 218 | --- |
| Magnésium | ppm | 2 | 2 | 3 | --- |
| Zinc | ppm | 48 | 43 | 65 | --- |
| Phosphore | ppm | 1396 | 1635 | 2173 | --- |
| Baryum | ppm | 0 | 0 | <1 | --- |
| Bore | ppm | 230 | 169 | 4 | --- |

Depot: AIMEAS
Unique No: 5616781
Signed: Wes Davis
Report Date: 24 Jul 2023



GRAPHS

