

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R920 049306-1705 - Swing Drive

Sample No: LH0279587

Oil Type: LIEBHERR GEAR BASIC 90 LS



MINI EXCAVATION PATRICE BENARD
 27 DES EPERVIERS
 ST-JEAN-SUR-RICHELIEU, QC
 CA J2W 2S3
 Contact: Service Manager



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0279587 | --- | --- | --- |
| Sample Date | 02 Nov 2023 | --- | --- | --- |
| Machine Hours | 566 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 248 | --- | --- | --- |
|-------------|-----|-----|-----|-----|-----|

T:
F:



CONTAMINATION

| | | | | | |
|-----------|-----|----|-----|-----|-----|
| Silicon | ppm | 15 | --- | --- | --- |
| Sodium | ppm | 6 | --- | --- | --- |
| Potassium | ppm | <1 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| PQ | | 1 | --- | --- | --- |
| Iron | ppm | 830 | --- | --- | --- |
| Copper | ppm | 44 | --- | --- | --- |
| Lead | ppm | 2 | --- | --- | --- |
| Tin | ppm | <1 | --- | --- | --- |
| Aluminum | ppm | <1 | --- | --- | --- |
| Chromium | ppm | 6 | --- | --- | --- |
| Molybdenum | ppm | 0 | --- | --- | --- |
| Nickel | ppm | <1 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | <1 | --- | --- | --- |
| Manganese | ppm | 7 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

Diagnosis

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion. Il n'y a aucun indice de contamination dans l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 80W140; nous vous conseillons de vérifier. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.



ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 11 | --- | --- | --- |
| Magnesium | ppm | 1 | --- | --- | --- |
| Zinc | ppm | 74 | --- | --- | --- |
| Phosphorus | ppm | 2050 | --- | --- | --- |
| Barium | ppm | 8 | --- | --- | --- |
| Boron | ppm | 10 | --- | --- | --- |

Depot: MINSTJ
 Unique No: 5671373
 Signed: Kevin Marson
 Report Date: 08 Nov 2023



GRAPHS

