

LIEBHERR

CONSTRUCTION EQUIPMENT



054212-1007 - Swing Drive

Sample No: LH0068596

Oil Type: SAE 80W90



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LH0068596 | LH0061814 | LH0055643 | --- |
| Sample Date | 08 Mar 2013 | 21 Jun 2012 | 17 Jan 2012 | --- |
| Machine Hours | 3142 | 2183 | 1200 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

American Iron and Metal
251 CHEMIN DES ILES
LEVIS, QC
CA G6V 1M5
Contact: Bobby Rochette



OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 128 | 135 | 176 | --- |
|-------------|-----|-----|-----|-----|-----|

T: (418)649-1000
F:



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 1 | 1 | 2 | --- |
| Sodium | ppm | 2 | <1 | 6 | --- |
| Potassium | ppm | 0 | 1 | 0 | --- |

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans le composant. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Iron | ppm | 115 | 100 | 224 | --- |
| Copper | ppm | 30 | 37 | 63 | --- |
| Lead | ppm | 2 | 2 | 3 | --- |
| Tin | ppm | <1 | <1 | <1 | --- |
| Aluminum | ppm | <1 | <1 | <1 | --- |
| Chromium | ppm | <1 | <1 | 1 | --- |
| Molybdenum | ppm | <1 | <1 | 0 | --- |
| Nickel | ppm | <1 | <1 | <1 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | <1 | <1 | <1 | --- |
| Manganese | ppm | <1 | 1 | 3 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-----|------|------|-----|
| Calcium | ppm | 59 | 41 | 62 | --- |
| Magnesium | ppm | 1 | 1 | <1 | --- |
| Zinc | ppm | 44 | 30 | 34 | --- |
| Phosphorus | ppm | 974 | 1171 | 2055 | --- |
| Barium | ppm | 1 | 3 | 21 | --- |
| Boron | ppm | 190 | 184 | 15 | --- |

Depot: AMELEV
Unique No: 3676195
Signed: Wes Davis
Report Date: 13 Mar 2013



GRAPHS

