

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 146092-1253 - Diesel Engine

Sample No: LH0257226

Oil Type: DIESEL ENGINE OIL SAE 15W40



9341-2906 QUEBEC INC. - Forestiers JRM Inc
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SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0257226 | LH0257223 | --- | --- |
| Sample Date | 24 Jul 2023 | 04 May 2023 | --- | --- |
| Machine Hours | 950 | 500 | --- | --- |
| Oil Hours | 450 | 0 | --- | --- |
| Oil Changed | Not Chngd | N/A | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |



OIL CONDITION

| | | | | | |
|----------------|-----|------|------|-----|-----|
| Visc @ 100°C | cSt | 12.5 | 11.8 | --- | --- |
| Oxidation (PA) | % | 97 | 206 | --- | --- |



CONTAMINATION

| | | | | | |
|----------------|-----|-----|-----|-----|-----|
| Soot % | % | 0 | 0 | --- | --- |
| Nitration (PA) | % | 78 | 107 | --- | --- |
| Sulfation (PA) | % | 70 | 111 | --- | --- |
| Glycol | % | NEG | NEG | --- | --- |
| Fuel | % | 1.7 | 0.7 | --- | --- |
| Silicon | ppm | 7 | 9 | --- | --- |
| Sodium | ppm | 4 | 2 | --- | --- |
| Potassium | ppm | <1 | 2 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Iron | ppm | 24 | 12 | --- | --- |
| Copper | ppm | 355 | 315 | --- | --- |
| Lead | ppm | 10 | 10 | --- | --- |
| Tin | ppm | <1 | 1 | --- | --- |
| Aluminum | ppm | 1 | 4 | --- | --- |
| Chromium | ppm | <1 | 1 | --- | --- |
| Molybdenum | ppm | 46 | 45 | --- | --- |
| Nickel | ppm | 0 | <1 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | <1 | 1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | 921 | 1395 | --- | --- |
| Magnesium | ppm | 873 | 931 | --- | --- |
| Zinc | ppm | 993 | 851 | --- | --- |
| Phosphorus | ppm | 1008 | 799 | --- | --- |
| Barium | ppm | 6 | 34 | --- | --- |
| Boron | ppm | 32 | 111 | --- | --- |

Diagnosis

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant. La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Depot: FOR491FER
Unique No: 5617631
Signed: Kevin Marson
Report Date: 31 Jul 2023



GRAPHS

