

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-118648 - Front Left Wheel Hub

Sample No: LH0272218

Oil Type: LIEBHERR GEAR BASIC 90 LS



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 US 02919
 Contact: Service Manager

T:
 F:



Sample Information

| | | | | |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LH0272218 | LH0244504 | LH0207386 | --- |
| Sample Date | 17 Jun 2024 | 07 Mar 2023 | 09 Nov 2021 | --- |
| Machine Hours | 1690 | 1690 | 952 | --- |
| Oil Hours | 1690 | 738 | 952 | --- |
| Oil Changed | N/A | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | ATTENTION | --- |



Oil Condition

| | | | | | |
|-------------|-----|-----|-----|------|-----|
| Visc @ 40°C | cSt | 174 | 153 | 55.6 | --- |
|-------------|-----|-----|-----|------|-----|



Contamination

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 4 | 3 | 5 | --- |
| Sodium | ppm | 14 | 8 | 19 | --- |
| Potassium | ppm | 1 | <1 | <1 | --- |



Wear Metals

| | | | | | |
|------------|-----|----|----|----|-----|
| Iron | ppm | 57 | 13 | 17 | --- |
| Copper | ppm | 18 | 2 | 37 | --- |
| Lead | ppm | 0 | 0 | <1 | --- |
| Tin | ppm | 0 | 0 | <1 | --- |
| Aluminum | ppm | <1 | <1 | <1 | --- |
| Chromium | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | 0 | <1 | <1 | --- |
| Nickel | ppm | 0 | <1 | 0 | --- |
| Titanium | ppm | 0 | 0 | <1 | --- |
| Silver | ppm | 0 | 0 | <1 | --- |
| Manganese | ppm | 1 | 2 | <1 | --- |
| Vanadium | ppm | <1 | 0 | 0 | --- |



Additives

| | | | | | |
|------------|-----|------|------|------|-----|
| Calcium | ppm | 372 | 470 | 3487 | --- |
| Magnesium | ppm | <1 | 4 | 11 | --- |
| Zinc | ppm | 106 | 202 | 1407 | --- |
| Phosphorus | ppm | 2147 | 2218 | 1102 | --- |
| Barium | ppm | 1 | 0 | 0 | --- |
| Boron | ppm | 2 | 7 | 110 | --- |

Diagnosis

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.

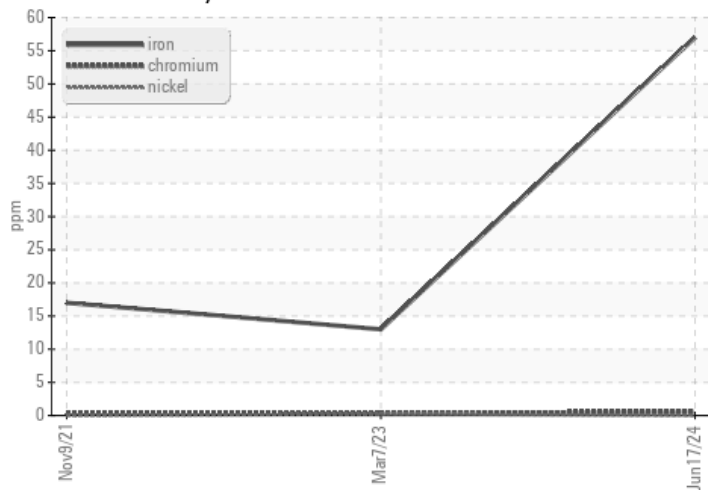
Depot: JRVJOH
 Unique No: 11098639
 Signed: Wes Davis
 Report Date: 26 Jun 2024

Submitted By: MIKE MACKINNON

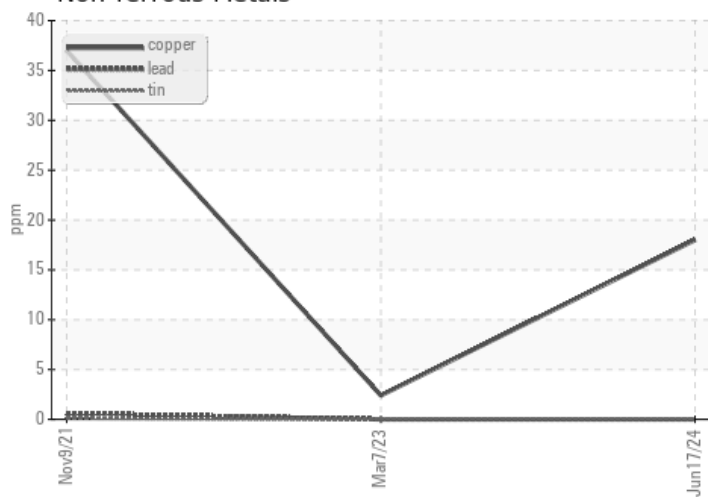


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

