

LIEBHERR

CONSTRUCTION EQUIPMENT



[(368069)] LIEBHERR L580 066027-1760 - Splitter Box

Sample No: LH0225598

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0225598 | LH0225587 | --- | --- |
| Sample Date | 17 Mar 2023 | 06 Oct 2022 | --- | --- |
| Machine Hours | 1969 | 1137 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | N/A | Changed | --- | --- |
| Sample Status | ABNORMAL | ABNORMAL | --- | --- |

GENERAL RECYCLING INDUSTRIES LTD.
 4120 - 84 AVENUE
 EDMONTON, AB
 CA T6B 3H3
 Contact: Corey MacKay
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OIL CONDITION

| | | | | | |
|-------------|-----|------|-----|-----|-----|
| Visc @ 40°C | cSt | 45.4 | 191 | --- | --- |
|-------------|-----|------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|----|----|-----|-----|
| Silicon | ppm | 4 | 2 | --- | --- |
| Sodium | ppm | 2 | 11 | --- | --- |
| Potassium | ppm | <1 | <1 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| PQ | | --- | 0 | --- | --- |
| Iron | ppm | 73 | 211 | --- | --- |
| Copper | ppm | 1 | 1 | --- | --- |
| Lead | ppm | 0 | <1 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | <1 | 1 | --- | --- |
| Chromium | ppm | <1 | <1 | --- | --- |
| Molybdenum | ppm | 3 | <1 | --- | --- |
| Nickel | ppm | <1 | 2 | --- | --- |
| Titanium | ppm | <1 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 1 | 6 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | 934 | 26 | --- | --- |
| Magnesium | ppm | 877 | 10 | --- | --- |
| Zinc | ppm | 1166 | 47 | --- | --- |
| Phosphorus | ppm | 1301 | 2402 | --- | --- |
| Barium | ppm | 4 | 30 | --- | --- |
| Boron | ppm | 5 | 4 | --- | --- |

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. 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 10W range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: GEN156EDM
Unique No: 5629971
Signed: Kevin Marson
Report Date: 21 Aug 2023



GRAPHS

