

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 067666-1760 - Rear Differential

Sample No: LH0233935

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LH0233935 | LH0176018 | LH0234001 | --- |
| Sample Date | 22 Jan 2024 | 02 Aug 2023 | 15 Dec 2022 | --- |
| Machine Hours | 5478 | 1520 | 1018 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 89.8 | 99.6 | 192 | --- |
|-------------|-----|------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 2 | 7 | 28 | --- |
| Sodium | ppm | 2 | 3 | 8 | --- |
| Potassium | ppm | <1 | <1 | 2 | --- |

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.



WEAR METALS

| | | | | | |
|------------|-----|----|----|-----|-----|
| Iron | ppm | 40 | 78 | 268 | --- |
| Copper | ppm | 27 | 75 | 180 | --- |
| Lead | ppm | <1 | 2 | 4 | --- |
| Tin | ppm | 2 | 3 | 12 | --- |
| Aluminum | ppm | <1 | <1 | 2 | --- |
| Chromium | ppm | <1 | 1 | 3 | --- |
| Molybdenum | ppm | 0 | 0 | <1 | --- |
| Nickel | ppm | <1 | <1 | 2 | --- |
| Titanium | ppm | 0 | 0 | <1 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | <1 | 13 | 44 | --- |
| Vanadium | ppm | 0 | 0 | <1 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|-----|
| Calcium | ppm | 193 | 4 | 17 | --- |
| Magnesium | ppm | 2 | <1 | 2 | --- |
| Zinc | ppm | 76 | 35 | 125 | --- |
| Phosphorus | ppm | 1241 | 2619 | 2278 | --- |
| Barium | ppm | 3 | 0 | 0 | --- |
| Boron | ppm | 184 | 202 | 2 | --- |

Depot: WES654STI
Unique No: 5723205
Signed: Wes Davis
Report Date: 07 Feb 2024



GRAPHS

