

LIEBHERR HS883 3069

Front Drum Gearbox

CHEVRON DELO GEAR ESI OIL 80W90 (--- GAL)

| RECOMMENDATION | RE | CO | ИМЕМ | IDATI | ON |
|----------------|----|----|------|-------|----|
|----------------|----|----|------|-------|----|

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|--------------------------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | LH0281144 | | |
| Sample Date | | Client Info | | 25 Nov 2023 | | |
| Machine Age | hrs | Client Info | | 1000 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Filter Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | Changed | | |
| Filter Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |
| | | | | | | |
| Iron | ppm | ASTM D5185(m) | >200 | 6 | | |
| Chromium | ppm | ASTM D5185(m) | >10 | 0 | | |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | | |
| Titanium | ppm | ASTM D5185(m) | | 0 | | |
| Silver | ppm | ASTM D5185(m) | | 0 | | |
| Aluminum | ppm | ASTM D5185(m) | | <1 | | |
| Lead | ppm | ASTM D5185(m) | | 0 | | |
| Copper | ppm | ASTM D5185(m) | | <1 | | |
| Tin | ppm | ASTM D5185(m) | | 0 | | |
| Vanadium | ppm | ASTM D5185(m) | | 0 | | |
| White Metal | scalar | Visual* | NONE | NONE | | |
| Yellow Metal | scalar | Visual* | NONE | NONE | | |
| Silicon | ppm | ASTM D5185(m) | | 2 | | |
| Potassium | ppm | ASTM D5185(m) | >20 | 2 | | |
| Water | | WC Method | >0.2 | NEG | | |
| Silt | scalar | Visual* | NONE | NONE | | |
| Debris | scalar | Visual* | NONE | NONE | | |
| Sand/Dirt | scalar | Visual* | NONE | NONE | | |
| Appearance | scalar | Visual* | NORML | NORML | | |
| Odor | scalar | Visual* | NORML | NORML | | |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | | |
| O a alliu ura | | | | 4 | | |
| Sodium | ppm | ASTM D5185(m) ASTM D5185(m) | 15 | <1 16 | | |
| Boron Barium | ppm | ASTM D5185(m) | 0 | 0 | | |
| | ppm | ASTM D5185(m) | | 0 | | |
| Molybdenum | ppm | (/ | 0 | | | |
| Manganese | ppm | ASTM D5185(m) | 0 | 0 | | |
| Magnesium | ppm | ASTM D5185(m) | | <1 2 | | |
| Calcium | ppm | ASTM D5185(m) | 5 | 3 | | |
| Phosphorus | ppm | ASTM D5185(m) | 600 | 672 | | |
| Zinc | ppm | ASTM D5185(m) | 0 | 8 | | |
| Sulfur | ppm | ASTM D5185(m) | 22000 | 17567 | | |
| Vice @ 10°C | 0°t | AGTM D7270(m) | 1/0 | 128 | | |

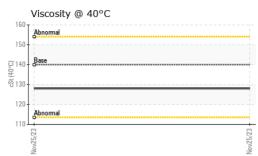
Visc @ 40°C

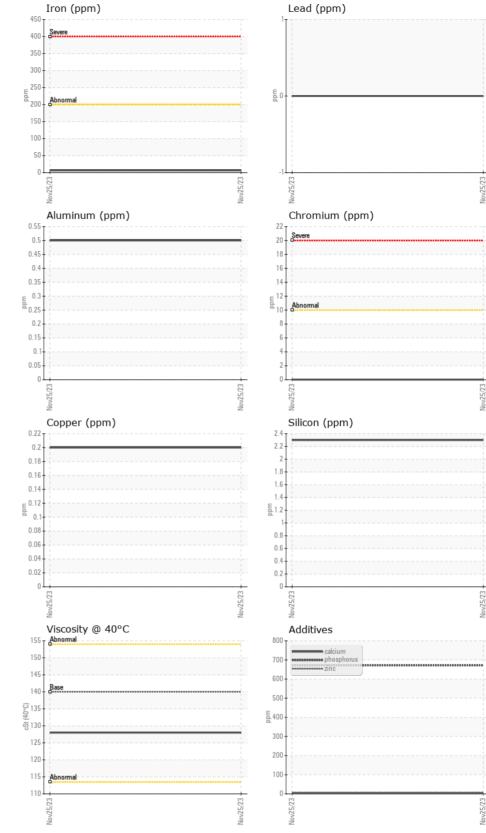
cSt

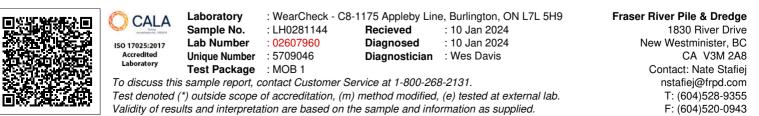
ASTM D7279(m) 140

Contact/Location: Nate Stafiej - FRA183NEW

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