

OIL ANALYSIS REPORT

UNDERTUN CAL020 (S/N 230)

Hydraulic System Fluid MOBIL DTE 10 EXCEL 32 (50 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

Wear

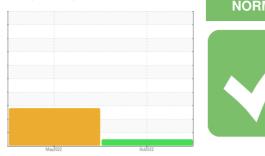
All component wear rates are normal.

Contamination

There is no indication of any contamination in the component(unconfirmed).

Fluid Condition

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



Sample Rating Trend

| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
|---------------|--------|---------------|------------|-------------|---------------|----------|
| Sample Number | | Client Info | | PC0011790 | PC0052745 | |
| Sample Date | | Client Info | | 09 Oct 2022 | 19 May 2022 | |
| Machine Age | hrs | Client Info | | 0 | 0 | |
| Oil Age | hrs | Client Info | | 0 | 0 | |
| Oil Changed | | Client Info | | N/A | Not Changd | |
| Sample Status | | | | NORMAL | SEVERE | |
| CONTAMINAT | ON | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.05 | NEG | NEG | |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185(m) | >20 | 1 | 5 | |
| Chromium | ppm | ASTM D5185(m) | >10 | 0 | <1 | |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | 0 | |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | |
| Aluminum | ppm | ASTM D5185(m) | >10 | <1 | <1 | |
| Lead | ppm | ASTM D5185(m) | >20 | <1 | <1 | |
| Copper | ppm | ASTM D5185(m) | >20 | <1 | <1 | |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | 0 | |
| Antimony | ppm | ASTM D5185(m) | | <1 | 0 | |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | |
| Beryllium | ppm | ASTM D5185(m) | | 0 | 0 | |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185(m) | | <1 | <1 | |
| Barium | ppm | ASTM D5185(m) | | 0 | 0 | |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | |
| Manganese | ppm | ASTM D5185(m) | | 0 | <1 | |
| Magnesium | ppm | ASTM D5185(m) | | <1 | <1 | |
| Calcium | ppm | ASTM D5185(m) | 120 | 112 | 130 | |
| Phosphorus | ppm | ASTM D5185(m) | 475 | 411 | 380 | |
| Zinc | ppm | ASTM D5185(m) | | 15 | 1 51 | |
| Sulfur | ppm | ASTM D5185(m) | 1275 | 1290 | a 2335 | |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 | |
| CONTAMINAN | TS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185(m) | >15 | <1 | <1 | |
| Sodium | ppm | ASTM D5185(m) | | 2 | 1 | |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | <1 | |



3

(10°C) 34 (10°C) 35 (40°C)

30 Ab

28

26

E

May1

OIL ANALYSIS REPORT

scalar

scalar

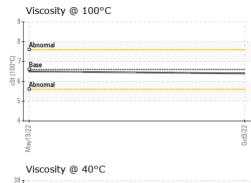
Visual*

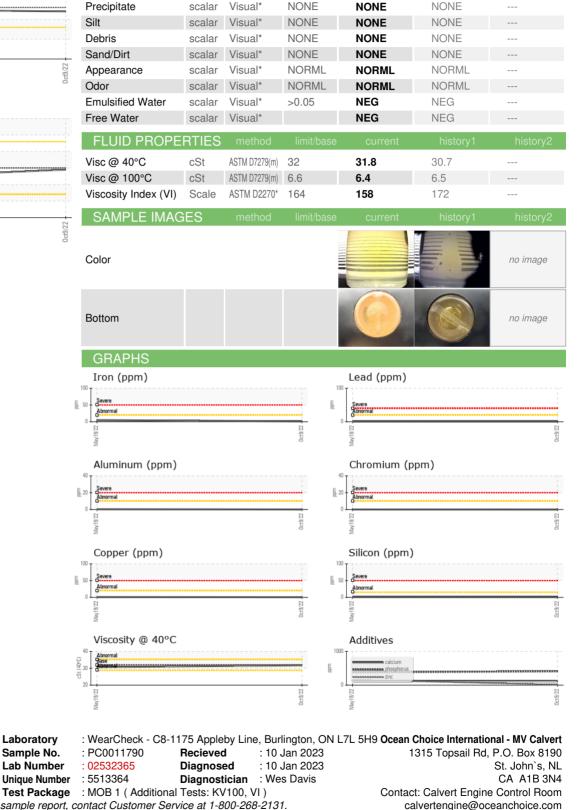
Visual*

VISUAL

White Metal

Yellow Metal





NONE

NONE

NONE

NONE

NONE

NONE

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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CALA

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