

PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY



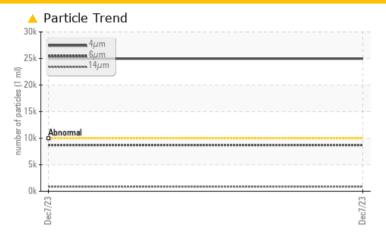
VACUUM HOT PRESS

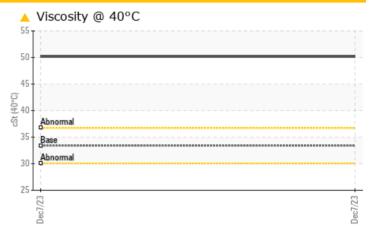
Component

Hydraulic System

MOBIL DTE ULTRA 24 ISO 32 (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

| PROBLEMATIC TEST RESULTS | | | | | | | | |
|--------------------------|-----|--------------|-----------|-----------------|----------|----------|--|--|
| Sample Status | | | | ABNORMAL | | | | |
| Particles >4μm | | ASTM D7647 | >10000 | <u> </u> | | | | |
| Particles >6μm | | ASTM D7647 | >2500 | A 8704 | | | | |
| Particles >14μm | | ASTM D7647 | >320 | <u> </u> | | | | |
| Particles >21µm | | ASTM D7647 | >80 | ^ 260 | | | | |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/15 | <u>22/20/17</u> | | | | |
| Visc @ 40°C | cSt | ASTM D445 | 33.4 | 50.16 | | | | |
| PrtFilter | | | | | no image | no image | | |

Customer Id: LINORA Sample No.: PH0003752 Lab Number: 06029990 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

| RECOMMENDED ACTIONS | | | | | | | |
|---------------------|--------|------|---------|---|--|--|--|
| Action | Status | Date | Done By | Description | | | |
| Change Filter | | | ? | We recommend you service the filters on this component. | | | |
| | | | | | | | |

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



history1

current

VACUUM HOT PRESS

Hydraulic System

MOBIL DTE ULTRA 24 ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

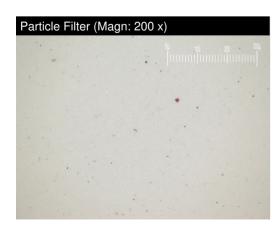
Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

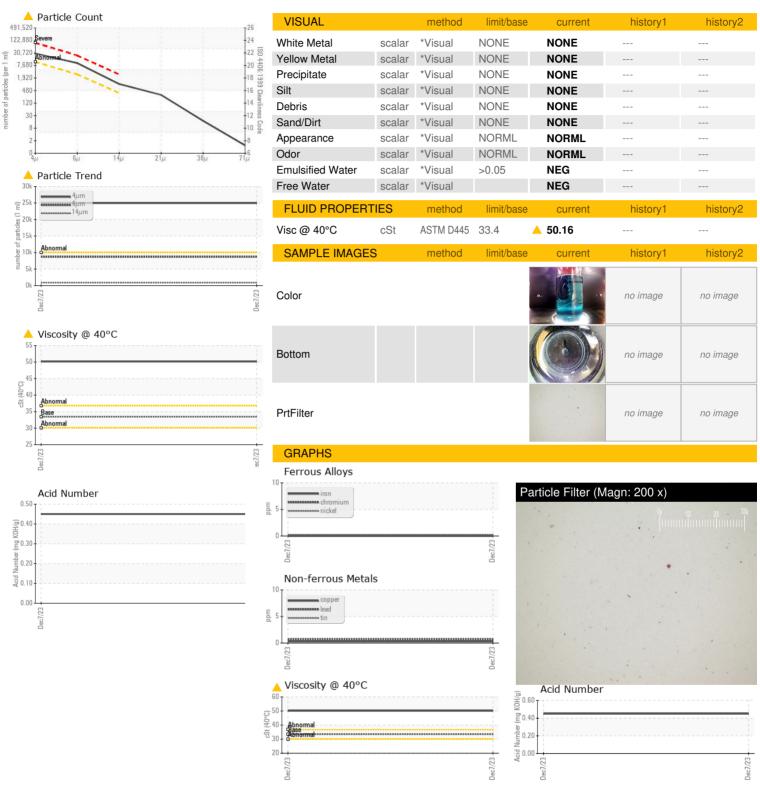
Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

| Sample Number | | Client Info | | PH0003752 | | |
|-----------------|-------|--------------|------------|-----------------|----------|----------|
| Sample Date | | Client Info | | 07 Dec 2023 | | |
| Machine Age | yrs | Client Info | | 0 | | |
| Oil Age | yrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | ABNORMAL | | |
| CONTAMINATIO | V | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.05 | NEG | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >20 | 0 | | |
| Chromium | ppm | ASTM D5185m | >20 | 0 | | |
| Nickel | ppm | ASTM D5185m | >20 | <1 | | |
| Titanium | ppm | ASTM D5185m | | <1 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >20 | <1 | | |
| Lead | ppm | ASTM D5185m | >20 | <1 | | |
| Copper | ppm | ASTM D5185m | >20 | <1 | | |
| Tin | ppm | ASTM D5185m | >20 | <1 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | | |
| Barium | ppm | ASTM D5185m | | 0 | | |
| Molybdenum | ppm | ASTM D5185m | | <1 | | |
| Manganese | ppm | ASTM D5185m | | 0 | | |
| Magnesium | ppm | ASTM D5185m | | 0 | | |
| Calcium | ppm | ASTM D5185m | | 0 | | |
| Phosphorus | ppm | ASTM D5185m | | 729 | | |
| Zinc | ppm | ASTM D5185m | | 0 | | |
| Sulfur | ppm | ASTM D5185m | | 3858 | | |
| CONTAMINANTS | ; | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >15 | <1 | | |
| Sodium | ppm | ASTM D5185m | | 0 | | |
| Potassium | ppm | ASTM D5185m | >20 | 5 | | |
| FLUID CLEANLIN | IESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >10000 | <u> </u> | | |
| Particles >6μm | | ASTM D7647 | >2500 | A 8704 | | |
| Particles >14µm | | ASTM D7647 | >320 | A 870 | | |
| Particles >21µm | | ASTM D7647 | >80 | <u>^</u> 260 | | |
| Particles >38µm | | ASTM D7647 | >20 | 15 | | |
| Particles >71µm | | ASTM D7647 | >4 | 1 | | |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/15 | <u>22/20/17</u> | | |
| FLUID DEGRADA | ATION | method | limit/base | current | history1 | history2 |
| | | ACTM DOOM | | 0.45 | | |





OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PH0003752 : 06029990

: 10779781

Diagnosed Test Package : PLANT (Additional Tests: PrtFilter)

: 15 Dec 2023 : Jonathan Hester Diagnostician

Recieved

: 08 Dec 2023

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

LINDE ADVANCED MATERIALS TECHNOLOGIES

542 ROUTE 303 ORANGEBURG, NY US 10920

Contact: THOMAS BIGGIE

thomas.biggie@linde.com

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