

WEAR NORMAL CONTAMINATION **SEVERE FLUID CONDITION ABNORMAL**



RECOMMENDATION

(62A0YH1) TALLASSEE 920055-102722 **Diesel Engine**

MOBIL DELVAC 1300 SUPER 15W40 (--- LTR)

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

| WEAR | _ | _ |
|------|-------|---|
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All component wear rates are normal.

CONTAMINATION

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

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|-----|------|---|---|----|----|-----|----|----|
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The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

| | UOM | Method | Limit/Abn | Current | Lliotom | L lister v0 |
|---|---------------------------------|---|-----------|-----------------------------------|-------------------------------------|-------------------------------------|
| Test | UOIVI | | LIMII/ADD | | History1 | History2 |
| Sample Number Sample Date | | Client Info Client Info | | GFL0081920 20 Jun 2024 | | GFL0080701 |
| · · | bro | Client Info | | 20 Jun 2024 | 20 May 2024 | 11 Apr 2024 9686 |
| Machine Age | hrs | | | - | 9942 9942 | |
| Oil Age | hrs | Client Info | | 10242 | | 9686 |
| Filter Age | hrs | Client Info | | 0 | 0 Nat Ohan d | 0 |
| Oil Changed | | Client Info | | N/A | Not Changd | N/A |
| Filter Changed | | Client Info | | N/A | Not Changd | N/A |
| Sample Status | | | | SEVERE | NORMAL | NORMAL |
| Iron | ppm | ASTM D5185m | >120 | 5 | 6 | 2 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | >2 | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >2 | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >20 | 4 | 2 | <1 |
| Lead | ppm | ASTM D5185m | >40 | <1 | 1 | <1 |
| Copper | ppm | ASTM D5185m | >330 | 2 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >15 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Ciliaan | | | | ····· | 4 | |
| Silicon | ppm | ASTM D5185m | >25 | 6 2 | 4 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | _ | <1 | 10 |
| Fuel | % | ASTM D3524 | >3.0 | ▲ 6.1 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | 21 | WC Method | 4 | NEG | NEG | NEG |
| Soot % | % | *ASTM D7844 | >4 | 0.2 | 0.3 | 0.2 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 5.7 | 6.9 | 5.5 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 17.8 | 18.8 | 18.1 |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | - | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORM |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | 2 | 3 | 3 |
| Boron | ppm | ASTM D5185m | 0 | 4 | 10 | 11 |
| Barium | ppm | ASTM D5185m | 0 | 1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 54 | 63 | 59 |
| worybuenum | | | | | <1 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | | 0 |
| | | ASTM D5185m ASTM D5185m | 0 | <1 842 | 976 | 935 |
| Manganese | ppm | | 0 | | | |
| Manganese Magnesium | ppm ppm | ASTM D5185m | 0 | 842 | 976 | 935 |
| Manganese Magnesium Calcium | ppm ppm ppm | ASTM D5185m ASTM D5185m | 0 | 842 997 | 976 1071 | 935 1077 |
| Manganese Magnesium Calcium Phosphorus | ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m | 0 | 842 997 995 | 976 1071 1032 | 935 1077 1003 |
| Manganese Magnesium Calcium Phosphorus Zinc | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | 0 | 842 997 995 1139 | 976 1071 1032 1271 | 935 1077 1003 1224 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | | 842 997 995 1139 2987 | 976 1071 1032 1271 3439 | 935 1077 1003 1224 3604 |

