

| | [W/O 11030] |
|-----|----------------------|
| | VOLVO A40G 353306 |
| 6.0 | Diesel Engine |
| | MOBIL 15W40 (13 GAL) |

WEAR NORMAL CONTAMINATION NORMAL **FLUID CONDITION** ATTENTION

918

1014

1071

1232

2990

14.9

7.2

11.1

| RECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--|--------------------|---------------|-------------|-----------|-------------|-------------|-------------|
| | Sample Number | | Client Info | | ML0002089 | ML0001188 | VCP319130 |
| Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. | Sample Date | | Client Info | | 20 Jun 2024 | 08 Apr 2024 | 04 Dec 2023 |
| at the next service interval to monitor. | Machine Age | hrs | Client Info | | 1336 | 955 | 530 |
| | Oil Age | hrs | Client Info | | 381 | 955 | 530 |
| | Filter Age | hrs | Client Info | | 381 | 955 | 0 |
| | Oil Changed | | Client Info | | Changed | Changed | Changed |
| | Filter Changed | | Client Info | | Changed | Changed | Changed |
| | Sample Status | | | | ATTENTION | NORMAL | ATTENTION |
| WEAR Iron ppm ASTM D5185m >100 | | | | | | 12 | 7 |
| WEAN | Iron | ppm | ASTM D5185m | | 6 0 | <1 | 0 |
| All component wear rates are normal. | Chromium Nickel | ppm | ASTM D5185m | | 1 | 1 | 0 |
| | Titanium | ppm | ASTM D5185m | >2 | י <1 | <1 | 0 |
| | Silver | ppm | ASTM D5185m | . 2 | <1 <1 | 0 | 0 |
| | Aluminum | ppm | ASTM D5185m | | 3 | 4 | 2 |
| | Lead | ppm | ASTM D5185m | | 0 | 4 | 0 |
| | Copper | ppm | ASTM D5185m | | 4 | 18 | <1 |
| | Tin | ppm | ASTM D5185m | | 0 | 2 | 0 |
| | Vanadium | ppm | ASTM D5185m | >15 | 0 <1 | <1 | 0 |
| | White Metal | ppm scalar | *Visual | NONE | NONE | NONE | NONE |
| | Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| | | Scalai | visuai | | | | NONL |
| CONTAMINATION | Silicon | ppm | ASTM D5185m | >25 | 6 | 9 | 4 |
| | Potassium | ppm | ASTM D5185m | >20 | 3 | 2 | <1 |
| There is no indication of any contamination in the oil. | Fuel | % | ASTM D3524 | >6.0 | <1.0 | <1.0 | 0.4 |
| | Water | | WC Method | >0.2 | NEG | NEG | NEG |
| | Glycol | | WC Method | | NEG | NEG | NEG |
| | Soot % | % | *ASTM D7844 | >3 | 0.2 | 0.1 | 0.2 |
| | Nitration | Abs/cm | *ASTM D7624 | >20 | 7.2 | 7.6 | 7.1 |
| | Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 21.4 | 22.7 | 20.1 |
| | 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 | NORML |
| | Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| | Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |
| FLUID CONDITION | Sodium | | ASTM D5185m | <11Q | 2 | 0 | 27 |
| PLOID CONDITION | Boron | ppm | ASTM D5185m | >110 | 2 130 | 315 | 1 |
| The oil viscosity is lower than normal. The BN result indicates that | Barium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| there is suitable alkalinity remaining in the oil. Confirm oil type. | Molybdenum | ppm | ASTM D5185m | | 76 | 117 | 56 |
| | Manganese | ppm ppm | ASTM D5185m | | 1 | 2 | <1 |
| | manyanese | hhiii | | | | ۷ | < 1 |

Magnesium

Phosphorus

Calcium

Zinc

Sulfur

Oxidation

Visc @ 100°C cSt

ppm ASTM D5185m

ppm ASTM D5185m

ppm ASTM D5185m

ppm

ppm

Base Number (BN) mg KOH/g ASTM D2896

ASTM D5185m

ASTM D5185m

ASTM D445

Abs/.1mm *ASTM D7414 >25

573

1515

789

857

2653

16.7

8.1

12.4

618

1641

909

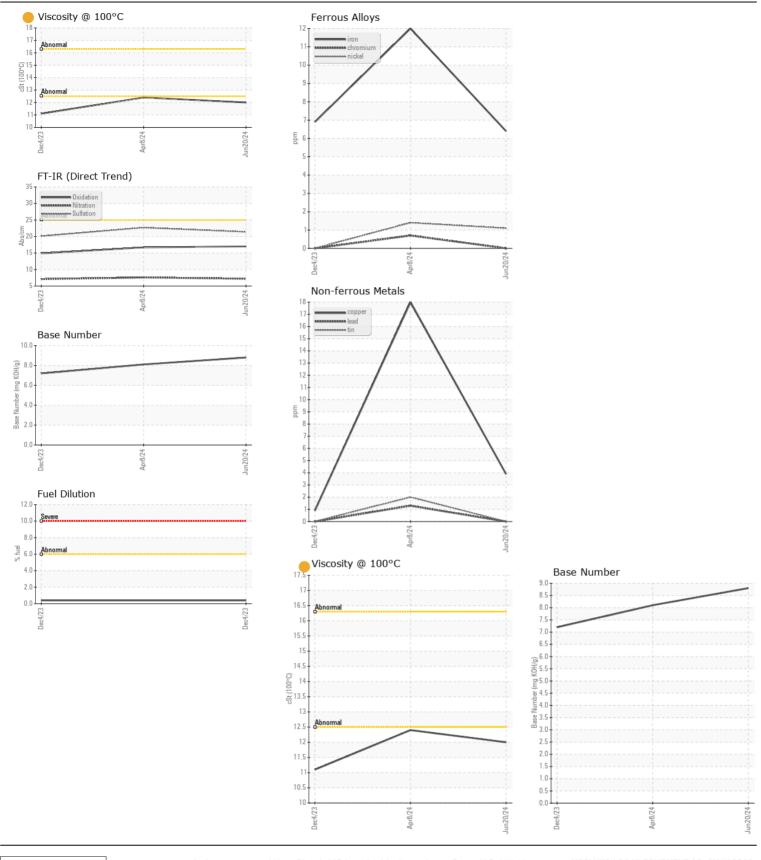
1103

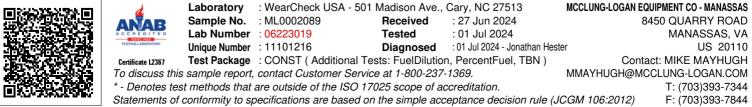
3480

17.0

8.8

12.0





Submitted By: DELANO GREGORY Page 2 of 2