

CONSTRUCTION EQUIPMENT VOLVO A40F 12311 - REAR AXLE



 Sample No:
 VCP260919

 Oil Type:
 SAE 75W90

Job No:

| SAMPLE INFORMATION VCP260919 III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | | | | | |
|---|-------------|------------|------------|------|--|
| Sample Date 22 Nov 2019 Machine Hours 5992 Oil Hours 1873 Sample Status ABNORMAL Sample Status ABNORMAL Visc @ 40°C cSt 61.2 Visc @ 40°C cSt 61.2 Sodium ppm 12 Sodium ppm 12 Sodium ppm 12 Sodium ppm 12 Sodium ppm 14 Sodium ppm 12 Coper ppm 3 Copper ppm 0 Molydenum | SAMPLE | INFORMATIO | N | | |
| Sample Date 22 Nov 2019 Machine Hours 5992 Oil Hours 1873 Sample Status ABNORMAL Sample Status ABNORMAL Visc @ 40°C cSt 61.2 Visc @ 40°C cSt 61.2 Sodium ppm 12 Sodium ppm 12 Sodium ppm 12 Sodium ppm 12 Sodium ppm 14 Sodium ppm 12 Coper ppm 3 Copper ppm 0 Molydenum | | | | | |
| Machine Hours 5992 Oil Hours 1873 Sample Status Not Changd Sample Status ABNORMAL Oil Hours Oil CONDITION Vocco CST 61.2 Sodium ppm 12 Sodium ppm 2 Vocco WEAR METALS Vocco WEAR METALS Iron ppm 278 Iron ppm 3 Iron ppm 0 Iron ppm 0 Iron ppm 1 <td>•</td> <td></td> <td></td> <td> </td> <td></td> | • | | | | |
| Oil Changed Not Changd Sample Status ABNORMAL Visc @ 40°C cSt 61.2 Visc @ 40°C cSt 61.2 Silicon ppm 12 Sodium ppm 2 Potassium ppm 2 Visc @ 40°C visc @ 40°C Silicon ppm 12 Sodium ppm 2 Visc @ 40°C Visc @ 40°C Visc @ 40°C Sodium ppm 12 Iron ppm 0 Keak METALS <td></td> <td></td> <td>5992</td> <td> </td> <td></td> | | | 5992 | | |
| Sample Status ABNORMAL Visc @ 40°C cSt 61.2 Sodium ppm 12 Sodium ppm 3 VEAR METALS Iron ppm 0 Lead ppm 0 Aluminum ppm 5 Molybdenum ppm 1 | Oil Hours | | 1873 | | |
| Sample Status ABNORMAL Visc @ 40°C cSt 61.2 Sodium ppm 12 Sodium ppm 3 VEAR METALS Iron ppm 0 Lead ppm 0 Aluminum ppm 5 Molybdenum ppm 1 | Oil Changed | | Not Changd | | |
| Visc @ 40°C cSt 61.2 CONTAMINATION Sodium ppm 12 Sodium ppm 2 Sodium ppm 2 Voice Visc @ 40°C cSt Sodium ppm 12 Sodium ppm 2 Voice Visc @ 40°C x Sodium ppm 2 Sodium ppm 0 Copper ppm 0 Lead ppm 12 Molybdenum ppm 5 | - | | _ | | |
| OIL CONDITION Visc @ 40°C cSt 61.2 Solium ppm 12 Solium ppm 2 Potassium ppm 4 Voice WEAR METALS Iron ppm 0 Copper ppm 0 Lead ppm 0 Aluminum ppm 12 Molybdenum ppm 12 Nickel ppm 6 Nickel ppm 24 Vanadium ppm 1 Vanadium ppm 54 - | | | | | |
| Visc @ 40°C cSt 61.2 CONTAMINATION E Sodium ppm 12 Sodium ppm 2 Sodium ppm 4 Voto WEAR METALS Version Iron ppm 278 Lead ppm 0 Aluminum ppm 4 Aluminum ppm 4 Nickel ppm 5 Molybdenum ppm 6 Silver ppm 24 Magnese ppm 24 Votoo ADITIVES | | NITION | | | |
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| CONTAMINATION Silicon ppm 12 Sodium ppm 2 Potassium ppm 4 Votor V V Votor V V Votor V V Votor V Votor V Votor P 3 Copper ppm 0 Lead ppm 0 Aluminum ppm 4 Molybdenum ppm 12 Nickel ppm | VISC @ 40 C | CSL | <u> </u> | | |
| Silicon ppm 12 Sodium ppm 2 Potassium ppm 4 WEAR METALS Version ppm 278 Copper ppm 3 Lead ppm 0 Aluminum ppm 0 Aluminum ppm 12 Molybdenum ppm 6 Silver ppm 21 Silver ppm 24 Vanadium ppm 24 Calcium ppm 54 Abuntive ppm 17 | VOLVO | | | | |
| Sodium ppm 2 Potassium ppm 4 Potassium ppm 4 WEAR METALS Iron ppm 278 Copper ppm 3 Lead ppm 0 Aluminum ppm 4 Aluminum ppm 5 Molybdenum ppm 12 Molybdenum ppm 6 Silver ppm 1 Manganese ppm 24 Calcium ppm 54 | V CONTAM | IINATION | | | |
| Sodium ppm 2 Potassium ppm 4 Potassium ppm 4 WEAR METALS Iron ppm 278 Copper ppm 3 Lead ppm 0 Aluminum ppm 4 Aluminum ppm 5 Molybdenum ppm 12 Molybdenum ppm 6 Silver ppm 1 Manganese ppm 24 Calcium ppm 54 | Silicon | maa | 12 | | |
| Potassium ppm 4 WEAR METALS Iron ppm 278 Copper ppm 3 Lead ppm 0 Aluminum ppm 4 Aluminum ppm 5 Molybdenum ppm 12 Molybdenum ppm 6 Silver ppm 64 Manganese ppm 24 Vanadium ppm 54 Calcium ppm 17 Magnesium ppm 1436 | | | | | |
| WEAR METALS Iron ppm 278 Copper ppm 3 Lead ppm 0 Aluminum ppm 0 Aluminum ppm 4 Chromium ppm 12 Molybdenum ppm 6 Nickel ppm 6 Silver ppm 24 Vanadium ppm <1 | Potassium | | | | |
| WEAR METALS Iron ppm 278 Copper ppm 3 Lead ppm 0 Aluminum ppm 4 Aluminum ppm 5 Molybdenum ppm 12 Nickel ppm 6 Silver ppm 24 Vanadium ppm <1 | | I. I. | | | |
| Copper ppm 3 Lead ppm 0 Tin ppm 0 Aluminum ppm 4 Aluminum ppm 5 Chromium ppm 12 Molybdenum ppm 6 Nickel ppm 41 Silver ppm 24 Manganese ppm 24 Vanadium ppm <1 | WEAR M | IETALS | | | |
| Copper ppm 3 Lead ppm 0 Tin ppm 0 Aluminum ppm 4 Chromium ppm 5 Molybdenum ppm 12 Nickel ppm 6 Silver ppm <1 | Iron | ppm | 278 | | |
| Tin ppm 0 Aluminum ppm 4 Chromium ppm 5 Molybdenum ppm 12 Nickel ppm 2 Titanium ppm 6 Manganese ppm 24 Vanadium ppm <1 | Copper | | 3 | | |
| Tin ppm 0 Aluminum ppm 4 Chromium ppm 5 Molybdenum ppm 12 Nickel ppm 2 Titanium ppm 6 Manganese ppm 24 Vanadium ppm <1 | Lead | ppm | 0 | | |
| Chromium ppm 5 Molybdenum ppm 12 Nickel ppm 2 Titanium ppm 6 Silver ppm <1 | Tin | ppm | | | |
| Molybdenum ppm 12 Nickel ppm 2 Titanium ppm 6 Silver ppm <1 | Aluminum | ppm | 4 | | |
| Nickel ppm 2 Titanium ppm 6 Silver ppm <1 Manganese ppm 24 Vanadium ppm <1 Vanadium ppm <1 ADDITIVES Calcium ppm 54 Magnesium ppm 2 Zinc ppm 1436 Barium ppm <1 | Chromium | ppm | 5 | | |
| Titanium ppm 6 Silver ppm <1 | Molybdenum | ppm | 12 | | |
| Silver ppm <1 Manganese ppm 24 Vanadium ppm <1 Vanadium ppm <1 ADDITIVES Calcium ppm 54 Magnesium ppm 22 Zinc ppm 17 Phosphorus ppm 1436 Barium ppm <1 | Nickel | ppm | 2 | | |
| Manganese ppm 24 Vanadium ppm <1 | Titanium | ppm | 6 | | |
| Vanadium ppm <1 ADDITIVES Calcium ppm 54 Magnesium ppm 2 Zinc ppm 17 Phosphorus ppm 1436 Barium ppm <1 | Silver | ppm | <1 | | |
| Vanadium ppm <1 ADDITIVES ADDITIVES Calcium ppm 54 Magnesium ppm 2 Zinc ppm 17 Phosphorus ppm 1436 Barium ppm <1 | Manganese | | 24 | | |
| ADDITIVES Calcium ppm 54 Magnesium ppm 2 Zinc ppm 17 Phosphorus ppm 1436 Barium ppm <1 | Vanadium | ppm | <1 | | |
| ADDITIVES Calcium ppm 54 Magnesium ppm 2 Zinc ppm 17 Phosphorus ppm 1436 Barium ppm <1 | | | | | |
| Magnesium ppm 2 Zinc ppm 17 Phosphorus ppm 1436 Barium ppm <1 | | ES | | | |
| Magnesium ppm 2 Zinc ppm 17 Phosphorus ppm 1436 Barium ppm <11 | Calcium | ppm | 54 | | |
| Zinc ppm 17 Phosphorus ppm 1436 Barium ppm <1 | | | | | |
| Phosphorus ppm 1436 Barium ppm 1 | - | | | | |
| Barium ppm | | | _ | | |
| | • | | _ | | |
| | | ppm | 177 | | |



STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW Acheson, AB CA T7X 6C2 Contact: Jonathan Morton jmorton@strongco.com T: (780)464-1909 F: (780)464-0434

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.

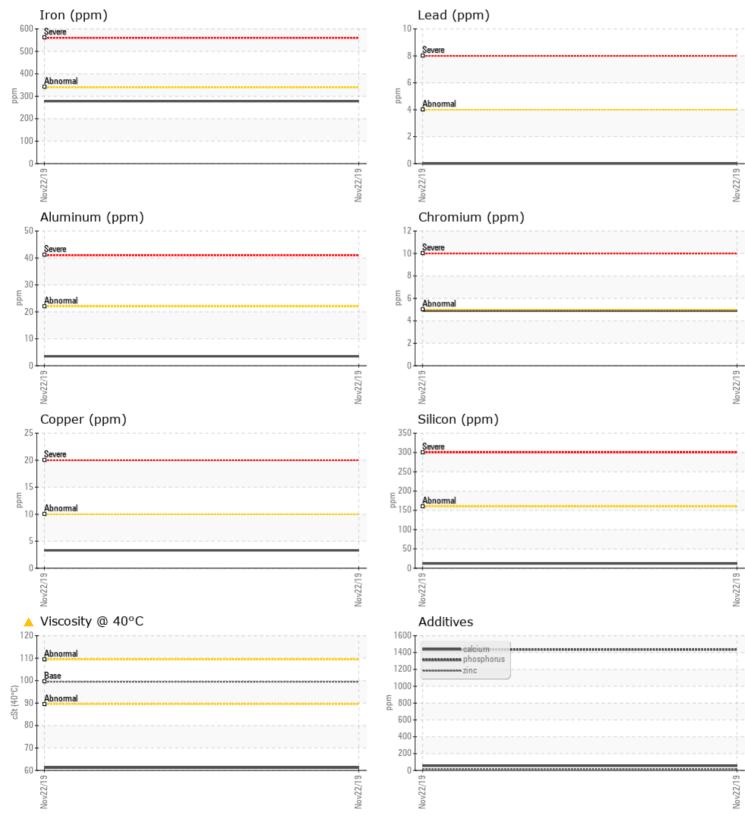
| Depot: | VOLVO3908 | | |
|--------------|--------------|--|--|
| Unique No: | 4967440 | | |
| Signed: | Kevin Marson | | |
| Report Date: | 03 Dec 2019 | | |

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO3908 [WCAMIS] 02324142 (Generated: 09/28/2023 13:51:32) Rev: 1

Contact/Location: Jonathan Morton - VOLVO3908