



CONSTRUCTION EQUIPMENT

SPM687839 US STEEL VOLVO A60H 340125 - FRONT AXLE



Sample No: VCP436406
Oil Type: GEAR OIL SAE 80W90
Job No: SPM687839 US STEEL



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP436406 | VCP358104 | --- | --- |
| Sample Date | 12 Apr 2024 | 27 Aug 2022 | --- | --- |
| Machine Hours | 8696 | 6235 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Chngd | Changed | --- | --- |
| Sample Status | ATTENTION | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | 52.7 | 48.7 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 10 | 9 | --- | --- |
| Sodium | ppm | 7 | 0 | --- | --- |
| Potassium | ppm | 3 | 1 | --- | --- |

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. The oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 231 | 241 | --- | --- |
| Copper | ppm | 3 | 11 | --- | --- |
| Lead | ppm | 0 | <1 | --- | --- |
| Tin | ppm | <1 | 1 | --- | --- |
| Aluminum | ppm | 2 | <1 | --- | --- |
| Chromium | ppm | 4 | 1 | --- | --- |
| Molybdenum | ppm | 2 | 2 | --- | --- |
| Nickel | ppm | 2 | 0 | --- | --- |
| Titanium | ppm | <1 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 8 | 4 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 28 | 2248 | --- | --- |
| Magnesium | ppm | 3 | 5 | --- | --- |
| Zinc | ppm | 5 | 1190 | --- | --- |
| Phosphorus | ppm | 2450 | 1131 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 266 | 77 | --- | --- |

Depot: VOLVO8885
Unique No: 10990273
Signed: Don Baldrige
Report Date: 23 Apr 2024



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GRAPHS

