

LIEBHERR

CONSTRUCTION EQUIPMENT



[(343449)] 126043-1215 - Diesel Engine

Sample No: LH0278372

Oil Type: SAE 5W30



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0278372 | LH0230439 | --- | --- |
| Sample Date | 23 Nov 2023 | 12 Aug 2022 | --- | --- |
| Machine Hours | 1243 | 497 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

American Iron and Metal
 524 PORTSWAY AVE
 EDWARDSVILLE, NS
 CA B2A 0C2
 Contact: Service Manager



OIL CONDITION

| | | | | | |
|----------------|-----|------|------|-----|-----|
| Visc @ 100°C | cSt | 11.3 | 11.6 | --- | --- |
| Oxidation (PA) | % | 83 | 165 | --- | --- |

T:
F:



CONTAMINATION

| | | | | | |
|----------------|-----|------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Soot % | % | 0 | 0 | --- | --- |
| Nitration (PA) | % | 87 | 88 | --- | --- |
| Sulfation (PA) | % | 60 | 94 | --- | --- |
| Glycol | % | NEG | NEG | --- | --- |
| Fuel | % | <1.0 | 1.2 | --- | --- |
| Silicon | ppm | 6 | 8 | --- | --- |
| Sodium | ppm | 4 | 3 | --- | --- |
| Potassium | ppm | 1 | 4 | --- | --- |

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 condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|----|-----|-----|-----|
| Iron | ppm | 5 | 9 | --- | --- |
| Copper | ppm | 11 | 289 | --- | --- |
| Lead | ppm | <1 | 9 | --- | --- |
| Tin | ppm | <1 | <1 | --- | --- |
| Aluminum | ppm | 2 | 2 | --- | --- |
| Chromium | ppm | <1 | 1 | --- | --- |
| Molybdenum | ppm | 63 | 45 | --- | --- |
| Nickel | ppm | 0 | 0 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 0 | 1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | 819 | 1299 | --- | --- |
| Magnesium | ppm | 1132 | 876 | --- | --- |
| Zinc | ppm | 1160 | 802 | --- | --- |
| Phosphorus | ppm | 951 | 682 | --- | --- |
| Barium | ppm | 1 | 23 | --- | --- |
| Boron | ppm | 34 | 80 | --- | --- |

Depot: AIMSYP
Unique No: 5683848
Signed: Kevin Marson
Report Date: 24 Nov 2023



GRAPHS

