

Machine Id
WESTERN STAR 4900SB 20
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 5W40 (--- GAL)

RECOMMENDATION

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiqua que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 5W40. Veuillez confirmer.

WEAR

Les taux d'usure de tous les composants sont normaux.

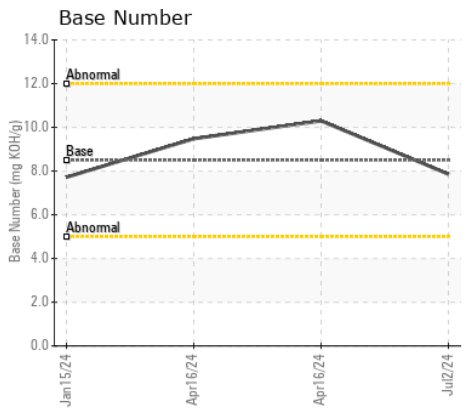
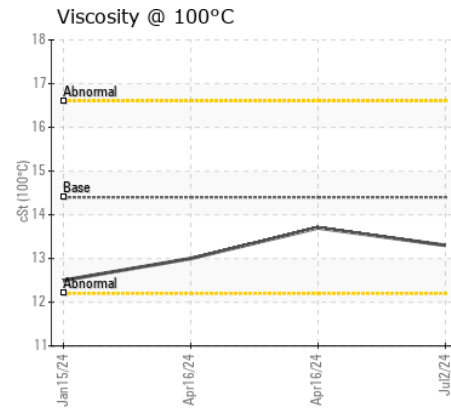
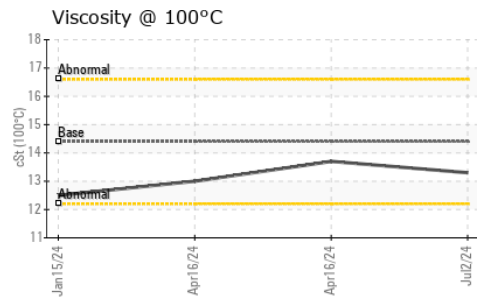
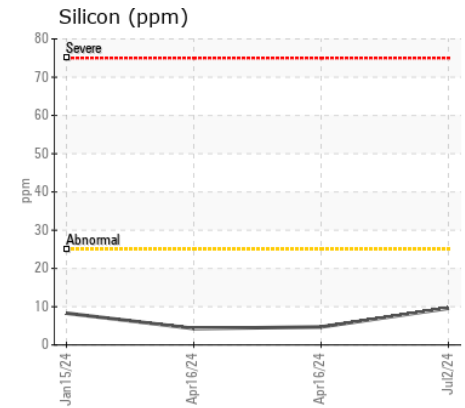
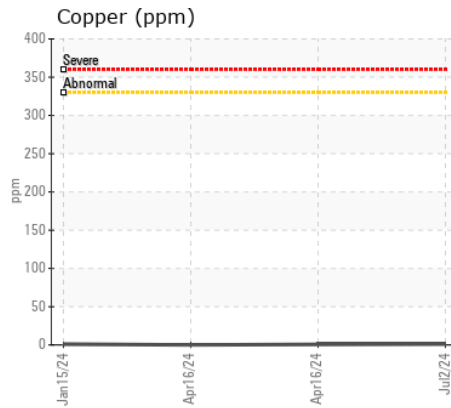
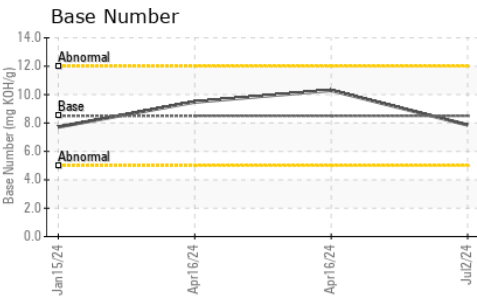
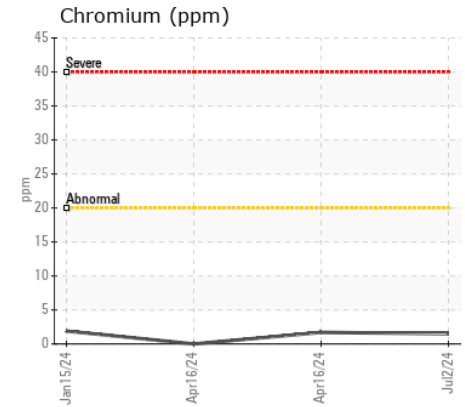
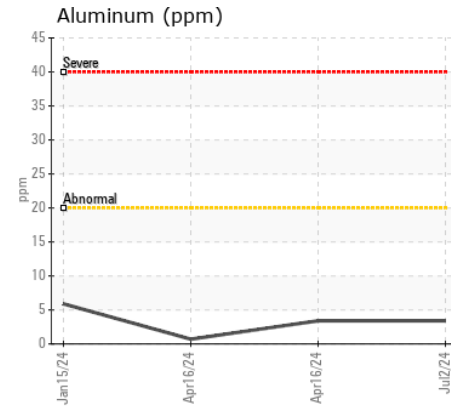
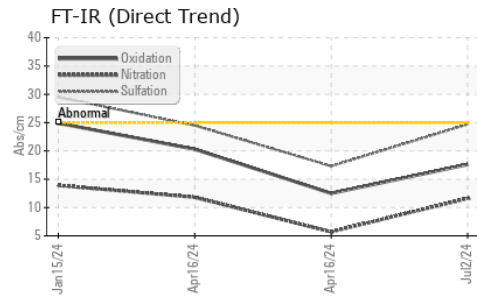
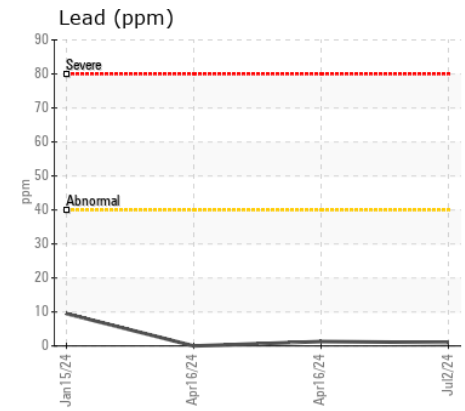
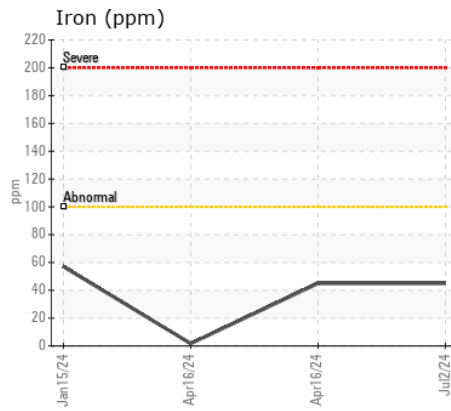
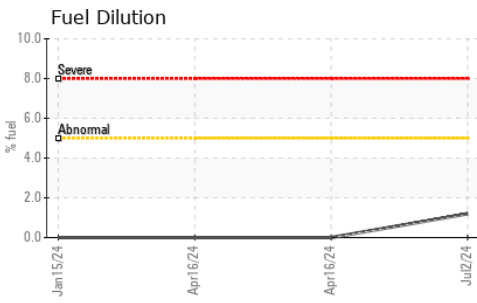
CONTAMINATION

Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté dans l'huile.

FLUID CONDITION

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------------|----------|---------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | PC0079752 | PC0079751 | PC0020565 |
| Sample Date | | Client Info | | 02 Jul 2024 | 16 Apr 2024 | 16 Apr 2024 |
| Machine Age | hrs | Client Info | | 0 | 0 | 11317 |
| Oil Age | hrs | Client Info | | 388 | 0 | 411 |
| Filter Age | hrs | Client Info | | 388 | 0 | 411 |
| Oil Changed | | Client Info | | N/A | Changed | Changed |
| Filter Changed | | Client Info | | N/A | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| Iron | ppm | ASTM D5185(m) | >100 | 45 | 2 | 45 |
| Chromium | ppm | ASTM D5185(m) | >20 | 2 | 0 | 2 |
| Nickel | ppm | ASTM D5185(m) | >4 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185(m) | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185(m) | >3 | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >20 | 3 | <1 | 3 |
| Lead | ppm | ASTM D5185(m) | >40 | 1 | 0 | 1 |
| Copper | ppm | ASTM D5185(m) | >330 | 1 | 0 | <1 |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Silicon | ppm | ASTM D5185(m) | >25 | 10 | 4 | 5 |
| Potassium | ppm | ASTM D5185(m) | >20 | 4 | 2 | 3 |
| Fuel | % | ASTM D7593* | >5 | 1.2 | <1.0 | <1.0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| Soot % | % | ASTM D7844* | >3 | 1.3 | 0 | 0.9 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 11.6 | 5.7 | 11.8 |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 24.7 | 17.3 | 24.5 |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185(m) | >44 | 3 | 2 | 10 |
| Boron | ppm | ASTM D5185(m) | 250 | 36 | 130 | 23 |
| Barium | ppm | ASTM D5185(m) | 10 | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 100 | 12 | 0 | 58 |
| Manganese | ppm | ASTM D5185(m) | | <1 | 0 | <1 |
| Magnesium | ppm | ASTM D5185(m) | 450 | 767 | 663 | 1043 |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1231 | 1171 | 965 |
| Phosphorus | ppm | ASTM D5185(m) | 1150 | 945 | 900 | 989 |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1152 | 1024 | 1193 |
| Sulfur | ppm | ASTM D5185(m) | 4250 | 2875 | 2904 | 2596 |
| Oxidation | Abs/.1mm | ASTM D7414* | >25 | 17.6 | 12.5 | 20.3 |
| Base Number (BN) | mg KOH/g | ASTM D2896* | 8.5 | 7.86 | 10.30 | 9.48 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 91 | 80.0 | 79.6 | 81.2 |
| Visc @ 100°C | cSt | ASTM D7279(m) | 14.4 | 13.3 | 13.7 | 13.0 |
| Viscosity Index (VI) | Scale | ASTM D2270* | 164 | 169 | 177 | 160 |



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0079752
Lab Number : 02645392
Unique Number : 5802931
Test Package : MOB 2 (Additional Tests: FUELDILUTION, KV40, PercentFuel, VI)

Received : 04 Jul 2024
Tested : 08 Jul 2024
Diagnosed : 08 Jul 2024 - Kevin Marson

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.