



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Area

[CONHER]

Machine Id

FREIGHTLINER LAMO - #194 Freightliner

Component

Diesel Engine

Fluid

Volvo Mineral 15W40 CI-4 (45 LTR)

RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: Fluid: Volvo Mineral CI-4 15W40 (sample taken before change KF-50))

Table with 7 columns: Test, UOM, Method, Limit/Abn, Current, History1, History2. Rows include Sample Number, Sample Date, Machine Age, Oil Age, Filter Age, Oil Changed, Filter Changed, and Sample Status.

WEAR

All component wear rates are normal.

Table with 7 columns: Element, UOM, Method, Limit, Current, History1, History2. Rows include Iron, Chromium, Nickel, Titanium, Silver, Aluminum, Lead, Copper, Tin, Vanadium, White Metal, and Yellow Metal.

CONTAMINATION

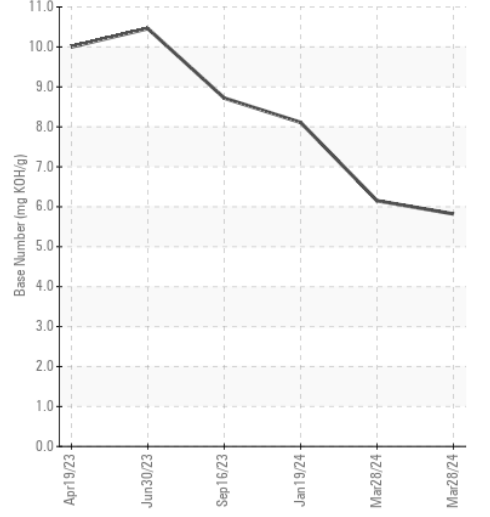
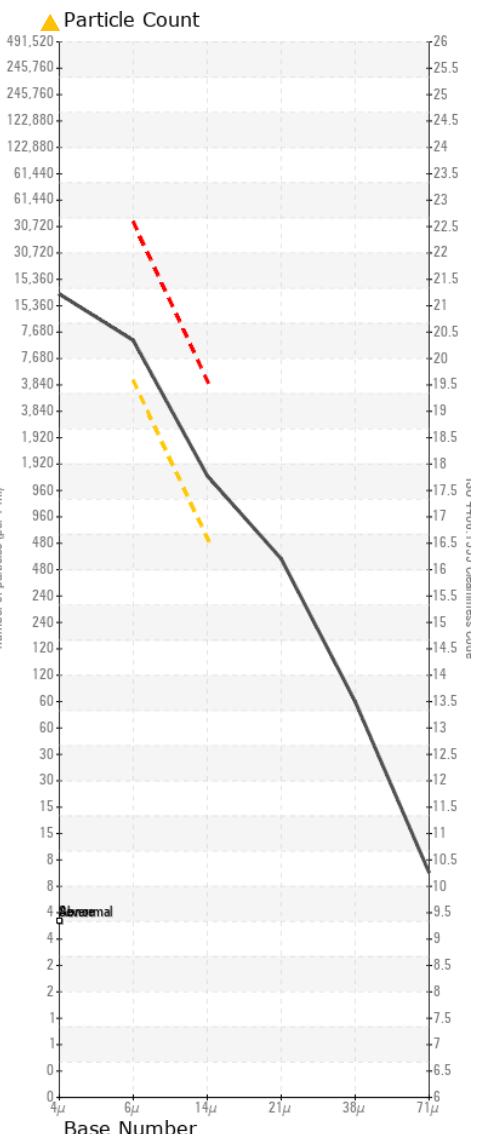
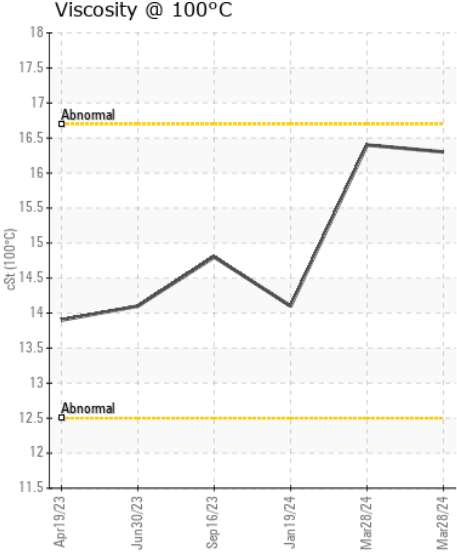
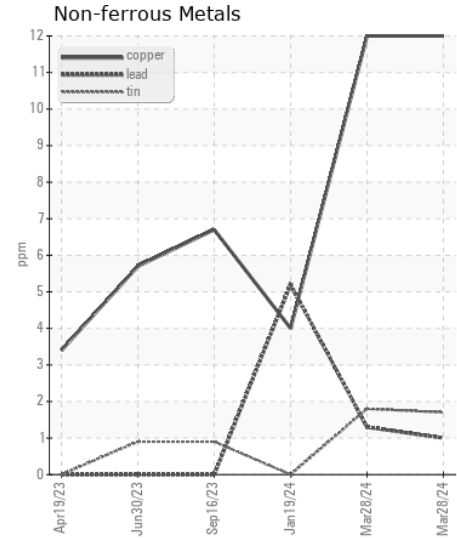
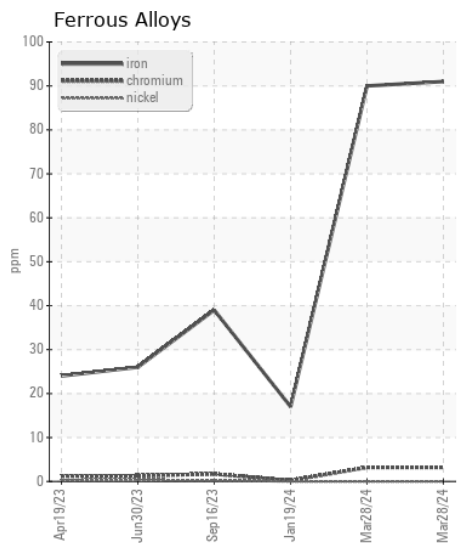
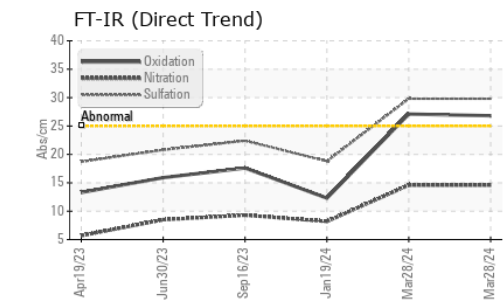
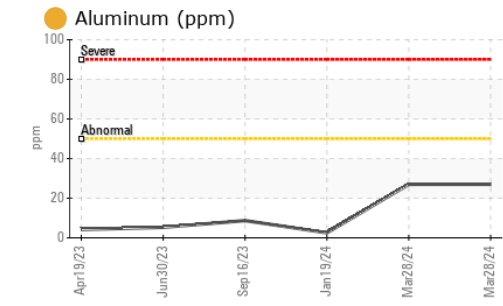
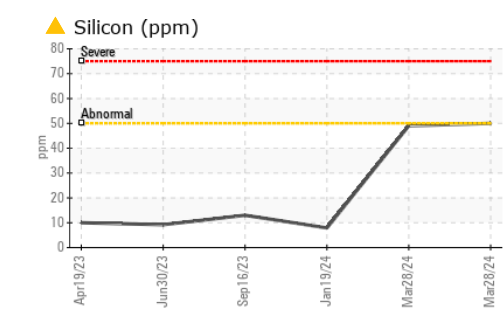
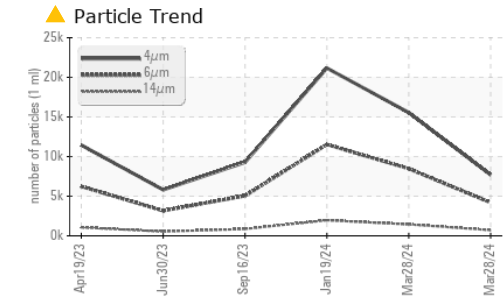
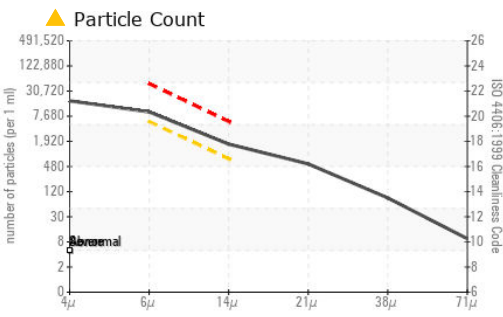
There is a high amount of particulates present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Table with 7 columns: Test, UOM, Method, Limit, Current, History1, History2. Rows include Silicon, Potassium, Fuel, Water, Glycol, Soot %, Nitration, Sulfation, Particles >4µm, Particles >6µm, Particles >14µm, Particles >21µm, Particles >38µm, Particles >71µm, Oil Cleanliness, Silt, Debris, Sand/Dirt, Appearance, Odor, and Emulsified Water.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil.

Table with 7 columns: Test, UOM, Method, Limit, Current, History1, History2. Rows include Sodium, Boron, Barium, Molybdenum, Manganese, Magnesium, Calcium, Phosphorus, Zinc, Sulfur, Oxidation, Base Number (BN), and Visc @ 100°C.



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0014531 **Received** : 18 Apr 2024
Lab Number : 06153321 **Tested** : 23 Apr 2024
Unique Number : 10983399 **Diagnosed** : 23 Apr 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: PrtCount)

LAMO

NAVOJOA, MX

Contact: ANDRES MONROY
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: