



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HAMM 210-2200
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084976	---	---
Sample Date		Client Info		13 Feb 2024	---	---
Machine Age	hrs	Client Info		472	---	---
Oil Age	hrs	Client Info		472	---	---
Filter Age	hrs	Client Info		472	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a components first oil change.

Iron	ppm	ASTM D5185(m)	>100	26	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	5	---	---
Lead	ppm	ASTM D5185(m)	>40	<1	---	---
Copper	ppm	ASTM D5185(m)	>330	9	---	---
Tin	ppm	ASTM D5185(m)	>15	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

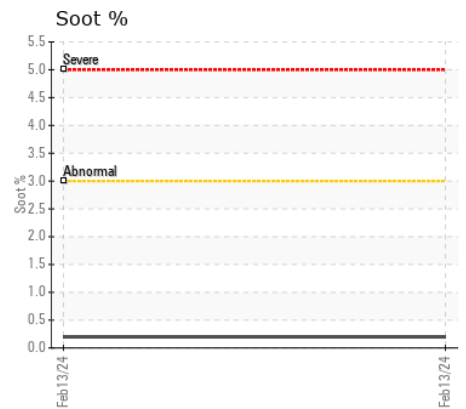
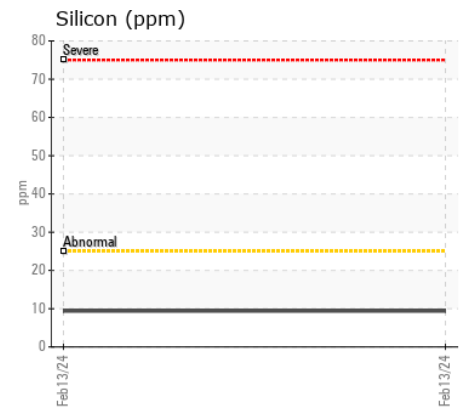
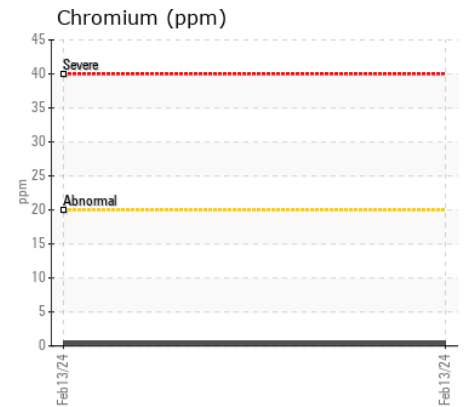
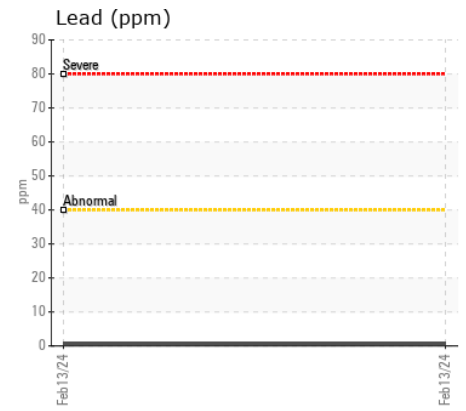
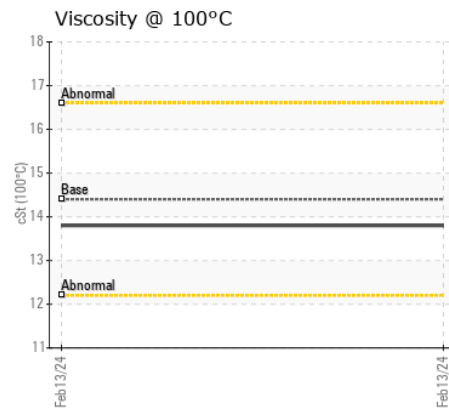
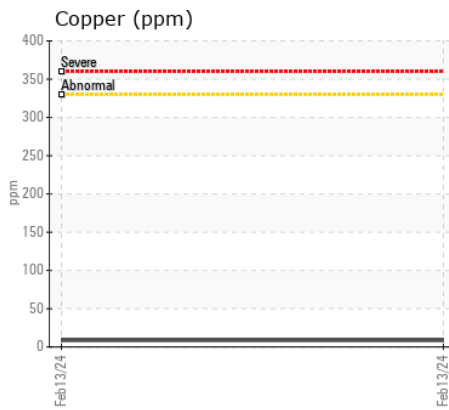
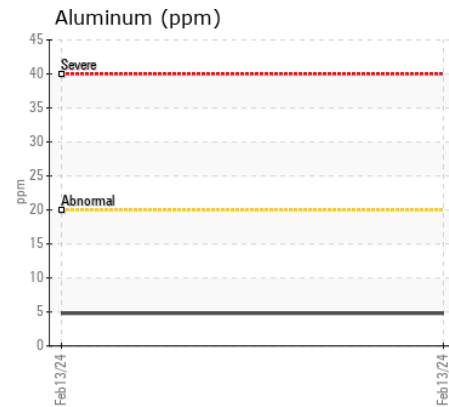
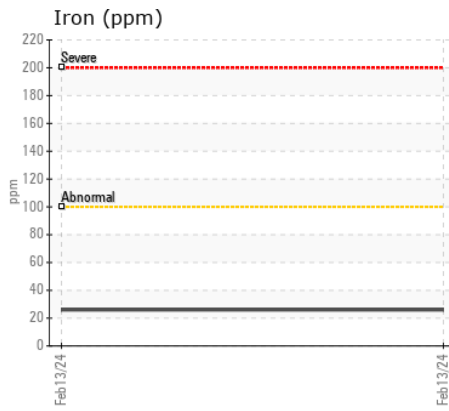
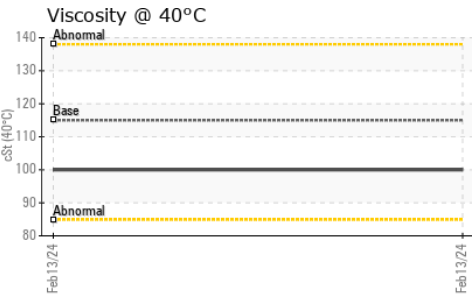
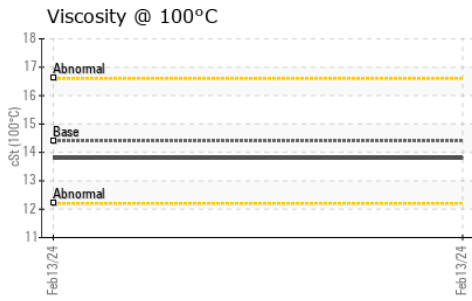
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	9	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0.2	---	---
Nitration	Abs/cm	ASTM D7624*	>20	8.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.2	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>158	4	---	---
Boron	ppm	ASTM D5185(m)	250	103	---	---
Barium	ppm	ASTM D5185(m)	10	4	---	---
Molybdenum	ppm	ASTM D5185(m)	100	72	---	---
Manganese	ppm	ASTM D5185(m)		2	---	---
Magnesium	ppm	ASTM D5185(m)	450	335	---	---
Calcium	ppm	ASTM D5185(m)	3000	2028	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	986	---	---
Zinc	ppm	ASTM D5185(m)	1350	1162	---	---
Sulfur	ppm	ASTM D5185(m)	4250	3532	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.1	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	115	100	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	139	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084976 **Received** : 04 Mar 2024
Lab Number : 02619511 **Tested** : 04 Mar 2024
Unique Number : 5736621 **Diagnosed** : 04 Mar 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, VI)

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.

LAVIS CONTRACTING
 37462A HURON ROAD
 CLINTON, ON
 CA N0M 1L0
 Contact: Doug Francis
 dfrancis@lavis.ca
 T: (519)482-3694
 F: (519)482-7886