



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**Hino C6131542**  
 Component  
**Oil Filter Oil**  
 Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NL0002014	---	---
Sample Date		Client Info		14 Feb 2024	---	---
Machine Age	mls	Client Info		195513	---	---
Oil Age	mls	Client Info		0	---	---
Filter Age	mls	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		87	---	---
Chromium	ppm	ASTM D5185m		<1	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m		11	---	---
Lead	ppm	ASTM D5185m		18	---	---
Copper	ppm	ASTM D5185m		7	---	---
Tin	ppm	ASTM D5185m		4	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

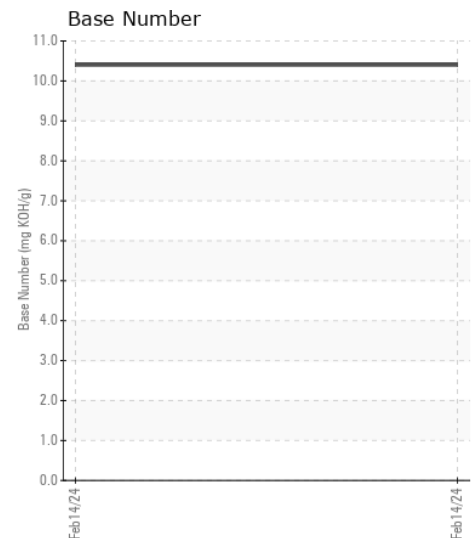
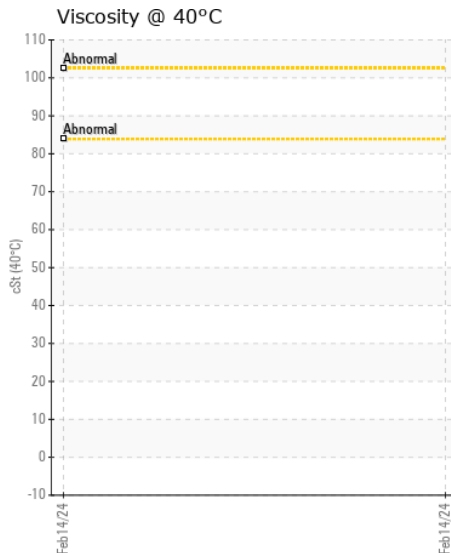
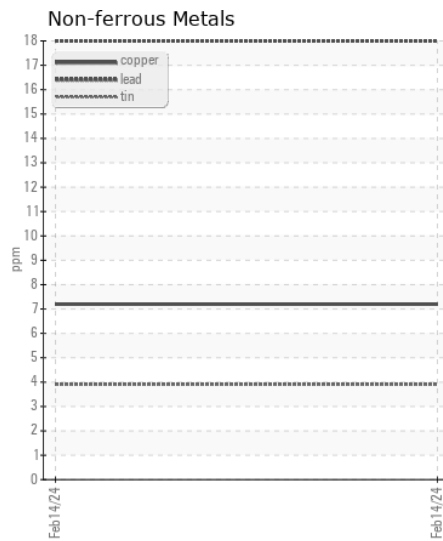
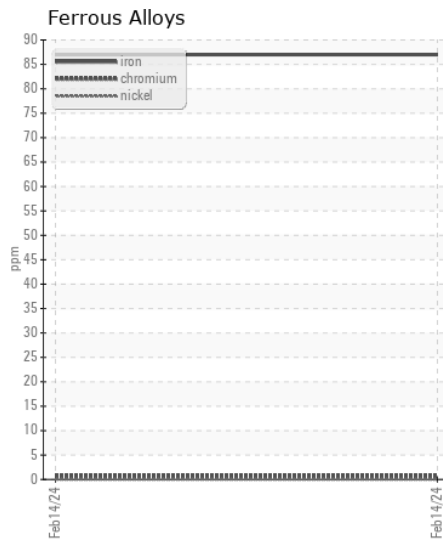
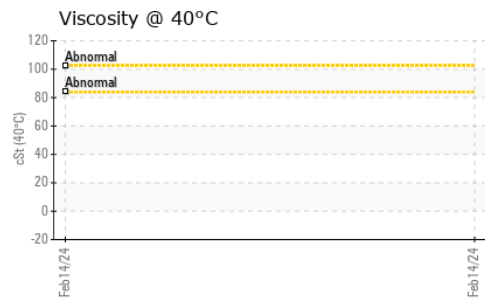
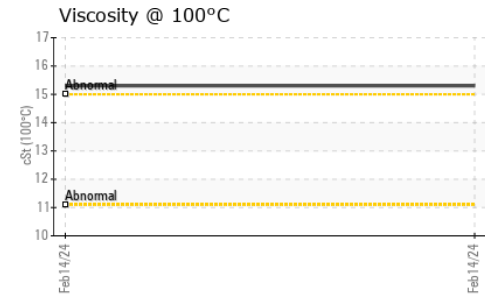
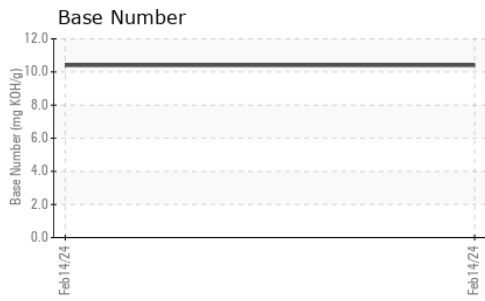
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		16	---	---
Potassium	ppm	ASTM D5185m	>20	27	---	---
Water		WC Method		NEG	---	---
Soot %	%	*ASTM D7844		1.6	---	---
Nitration	Abs/cm	*ASTM D7624		16.6	---	---
Sulfation	Abs/.1mm	*ASTM D7415		27.2	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual		NEG	---	---

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		11	---	---
Boron	ppm	ASTM D5185m		10	---	---
Barium	ppm	ASTM D5185m		3	---	---
Molybdenum	ppm	ASTM D5185m		71	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		1009	---	---
Calcium	ppm	ASTM D5185m		1312	---	---
Phosphorus	ppm	ASTM D5185m		1132	---	---
Zinc	ppm	ASTM D5185m		1409	---	---
Sulfur	ppm	ASTM D5185m		3598	---	---
Oxidation	Abs/.1mm	*ASTM D7414		25.1	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		10.4	---	---
Visc @ 100°C	cSt	ASTM D445		15.3	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : NL0002014

**Lab Number** : 06124239

**Unique Number** : 10938390

**Test Package** : FLEET ( Additional Tests: FT-IR, KV100, TBN )

**Received** : 20 Mar 2024

**Tested** : 25 Mar 2024

**Diagnosed** : 25 Mar 2024 - Jonathan Hester

**KIRK NATIONALEASE - SHOP 51**

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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)