



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**HINO 13530**  
 Component  
**Rear Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm.

## WEAR

All component wear rates are normal.

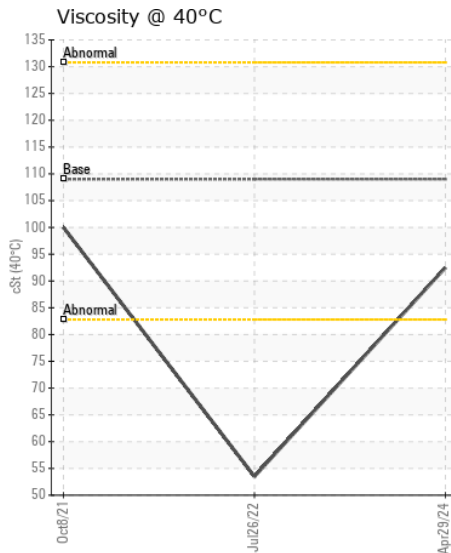
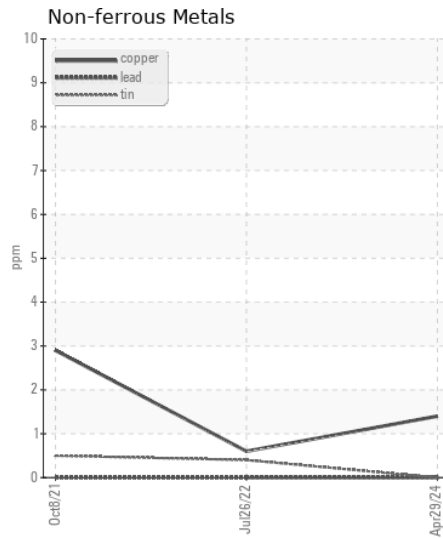
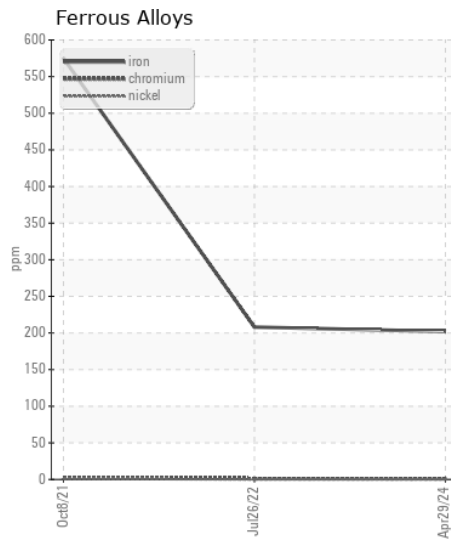
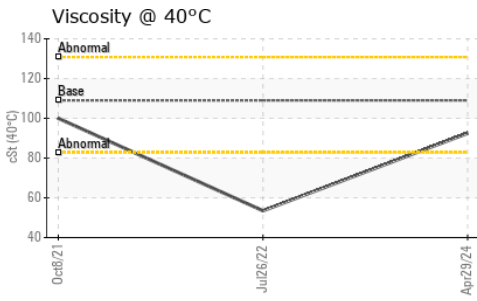
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0924605</b>	WC0689089	WC0595717
Sample Date		Client Info		<b>29 Apr 2024</b>	26 Jul 2022	08 Oct 2021
Machine Age	mls	Client Info		<b>8000</b>	6000	183402
Oil Age	mls	Client Info		<b>0</b>	200	0
Filter Age	mls	Client Info		<b>0</b>	200	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>500	<b>202</b>	208	▲ 575
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	3
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	5	9
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>1</b>	<1	3
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>29</b>	45	▲ 312
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	<1
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	● HAZY
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	0.2%
Sodium	ppm	ASTM D5185m		<b>4</b>	2	10
Boron	ppm	ASTM D5185m	400	<b>143</b>	81	164
Barium	ppm	ASTM D5185m	200	<b>2</b>	1	0
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>3</b>	5	18
Magnesium	ppm	ASTM D5185m	12	<b>25</b>	1	4
Calcium	ppm	ASTM D5185m	150	<b>90</b>	50	167
Phosphorus	ppm	ASTM D5185m	1650	<b>1247</b>	523	1407
Zinc	ppm	ASTM D5185m	125	<b>83</b>	38	31
Sulfur	ppm	ASTM D5185m	22500	<b>21523</b>	21514	21320
Visc @ 40°C	cSt	ASTM D445	109	<b>92.5</b>	● 53.5	100



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0924605  
**Lab Number** : 06174383  
**Unique Number** : 11020436  
**Test Package** : CONST

**Received** : 09 May 2024  
**Tested** : 10 May 2024  
**Diagnosed** : 10 May 2024 - Wes Davis

**SULLIVAN EASTERN INC**  
 2860 C SLATER RD  
 MORRISVILLE, NC  
 US 27560

Contact: SCOTT SULLIVAN  
 ssullivan@sullivan-eastern.com

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)

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