



**WEAR**



Machine Id  
**LEO SKIDDER**  
Component  
**Hydraulic System**  
Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

**DIAGNOSIS**

**Recommendation**

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

**Wear**

The iron level is abnormal. The copper level is abnormal.

**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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>HRE0000618</b>	---	---
Sample Date	Client Info			<b>05 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	---	---

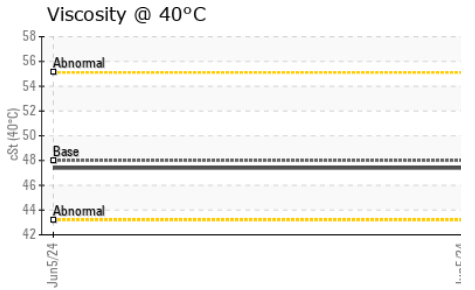
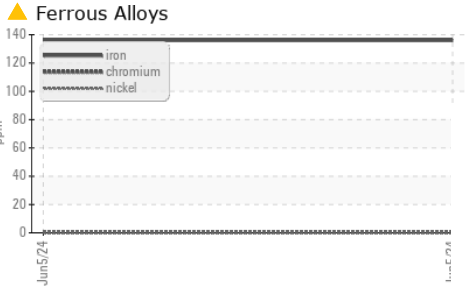
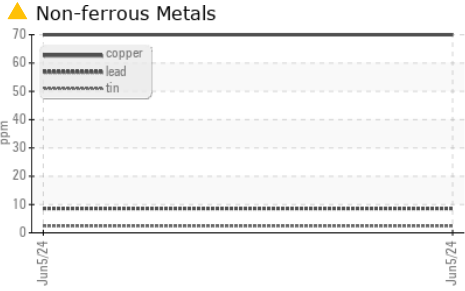
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>▲ 136</b>	---	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	---	---
Lead	ppm	ASTM D5185m	>20	<b>9</b>	---	---
Copper	ppm	ASTM D5185m	>20	<b>▲ 70</b>	---	---
Tin	ppm	ASTM D5185m	>20	<b>2</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	10	<b>2</b>	---	---
Barium	ppm	ASTM D5185m	10	<b>5</b>	---	---
Molybdenum	ppm	ASTM D5185m	10	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>3</b>	---	---
Magnesium	ppm	ASTM D5185m	100	<b>75</b>	---	---
Calcium	ppm	ASTM D5185m	3500	<b>3254</b>	---	---
Phosphorus	ppm	ASTM D5185m	1150	<b>1084</b>	---	---
Zinc	ppm	ASTM D5185m	1150	<b>1285</b>	---	---
Sulfur	ppm	ASTM D5185m	5000	<b>4023</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>8</b>	---	---
Sodium	ppm	ASTM D5185m		<b>1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.05	<b>NEG</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---


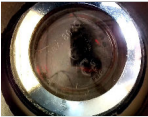
# OIL ANALYSIS REPORT



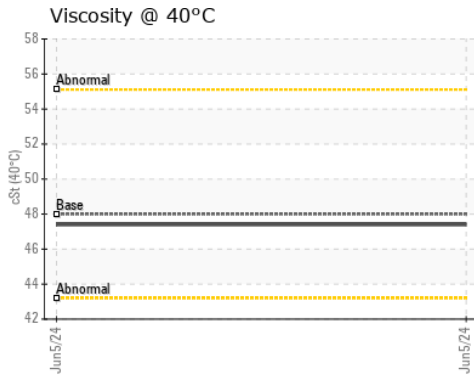
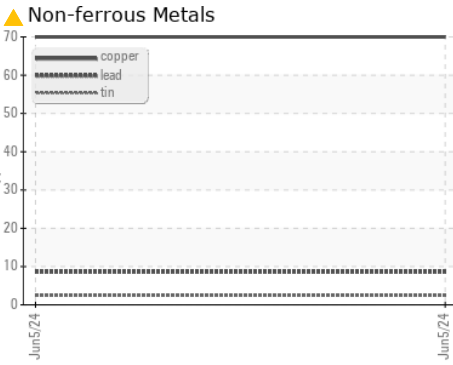
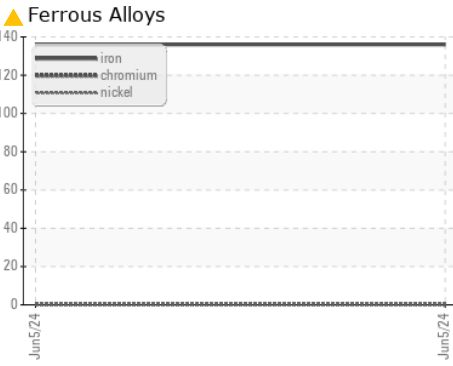
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	48	<b>47.4</b>	---

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : HRE0000618      **Received** : 05 Jun 2024  
**Lab Number** : **06200982**      **Tested** : 06 Jun 2024  
**Unique Number** : 11063105      **Diagnosed** : 09 Jun 2024 - Don Baldrige  
**Test Package** : IND 1

**H & M LOGGING**  
 1180 SINAI RD  
 SOUTH BOSTON, VA  
 US 24592  
 Contact: KENNY JR

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)