



**CHALMERS**  
Lubrication Service  
(704) 660-LUBE(5823)

OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**HAMM ROL-8**  
Component  
**Drum Eccentric Weight Housing**  
Fluid  
**GEAR OIL LS 80W90 (--- GAL)**

**RECOMMENDATION**

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CL0005549</b>	---	---
Sample Date		Client Info		<b>28 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>2433</b>	---	---
Oil Age	hrs	Client Info		<b>2433</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

**WEAR**

Bearing and/or gear wear is indicated.

Iron	ppm	ASTM D5185m	>100	<b>▲ 253</b>	---	---
Chromium	ppm	ASTM D5185m	>2	<b>1</b>	---	---
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>111</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>2	<b>● 15</b>	---	---
Lead	ppm	ASTM D5185m	>25	<b>2</b>	---	---
Copper	ppm	ASTM D5185m	>7	<b>▲ 102</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

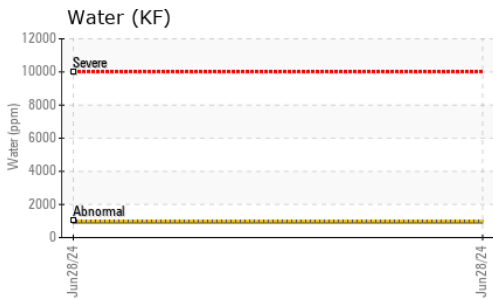
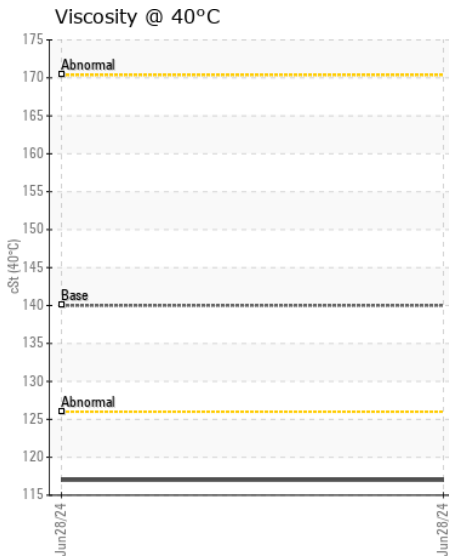
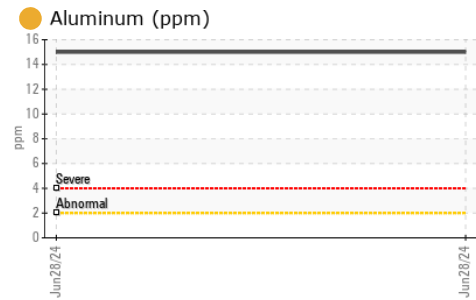
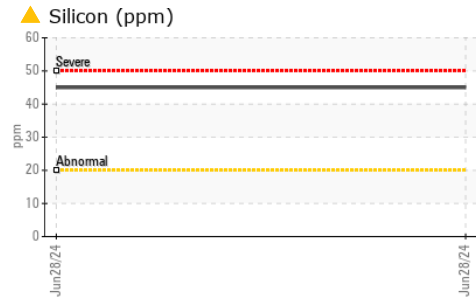
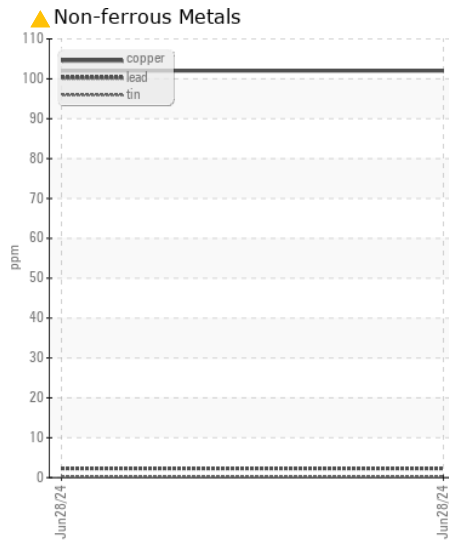
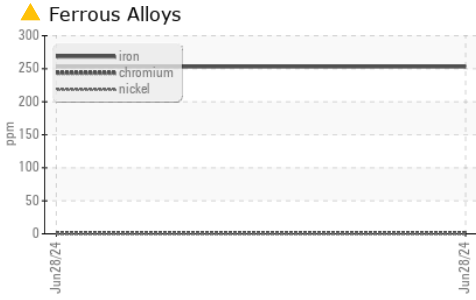
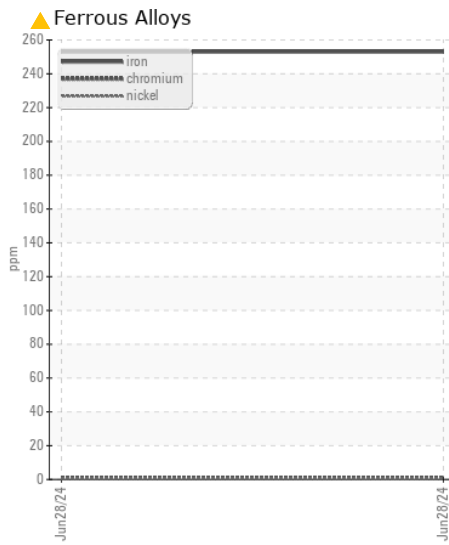
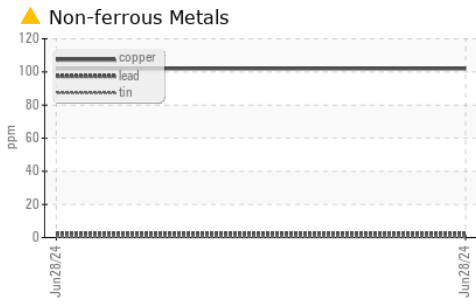
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>▲ 45</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	---	---
Water	%	ASTM D6304	>0.1	<b>0.095</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>950</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</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	>0.1	<b>0.2%</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>3</b>	---	---
Boron	ppm	ASTM D5185m	150	<b>77</b>	---	---
Barium	ppm	ASTM D5185m		<b>29</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>2</b>	---	---
Magnesium	ppm	ASTM D5185m	10	<b>21</b>	---	---
Calcium	ppm	ASTM D5185m	70	<b>55</b>	---	---
Phosphorus	ppm	ASTM D5185m	2000	<b>1324</b>	---	---
Zinc	ppm	ASTM D5185m	50	<b>293</b>	---	---
Sulfur	ppm	ASTM D5185m	20000	<b>32926</b>	---	---
Visc @ 40°C	cSt	ASTM D445	140	<b>117</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : CL0005549 **Received** : 08 Jul 2024  
**Lab Number** : **06230626** **Tested** : 10 Jul 2024  
**Unique Number** : 11114119 **Diagnosed** : 10 Jul 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: KF )

**BULLSEYE CONSTRUCTION**  
 581 N POLK ST  
 PINEVILLE, NC  
 US 28134  
 Contact: SERVICE MANAGER

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: