



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id  
**WESTERN STAR 14TM323003**

Component  
**Hydrostatic**

Fluid  
**AW HYDRAULIC OIL ISO 46 (--- GAL)**

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

## FLUID CONDITION

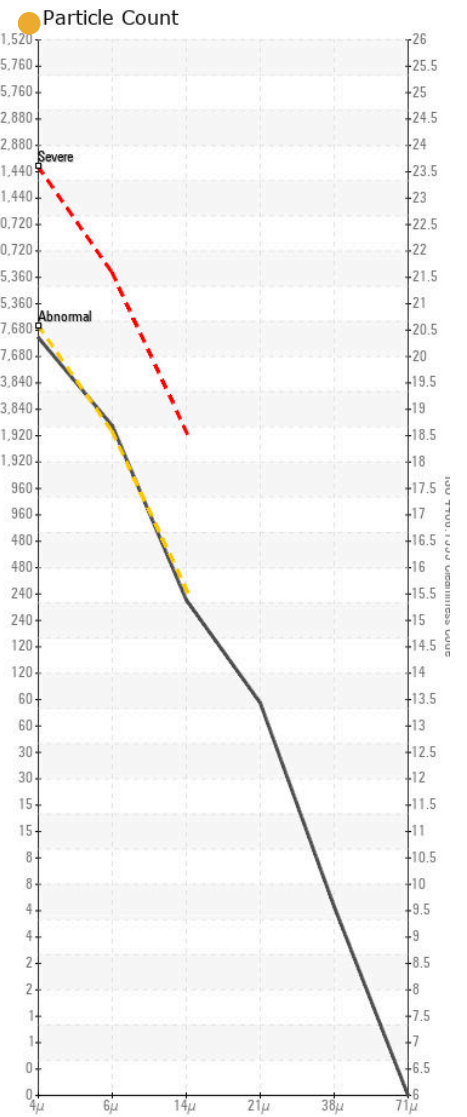
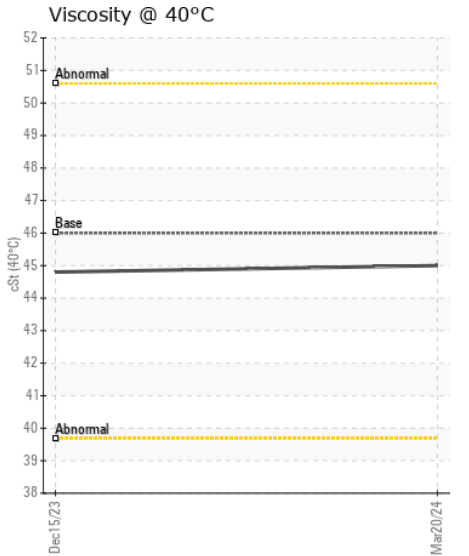
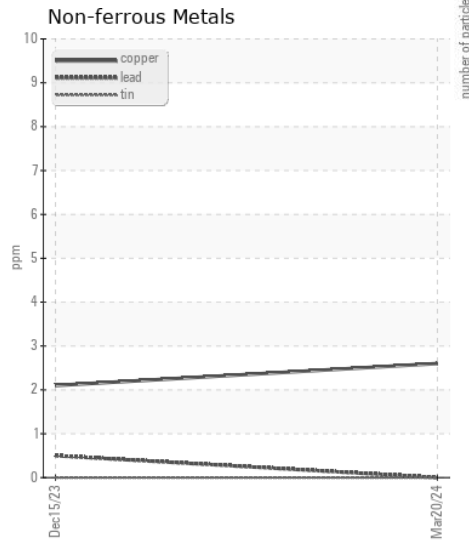
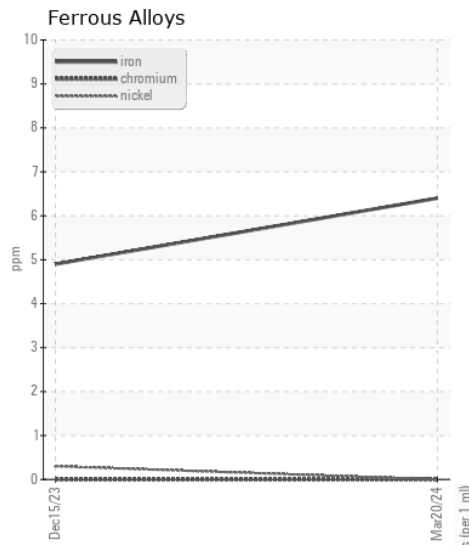
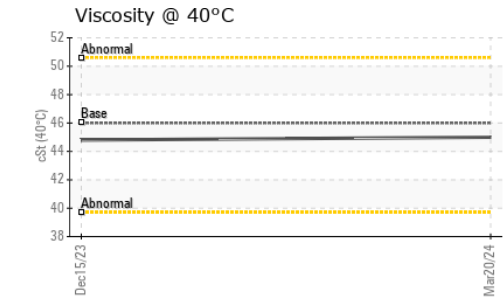
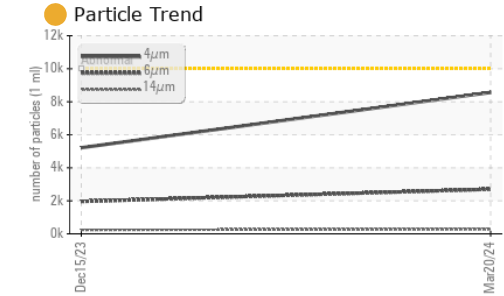
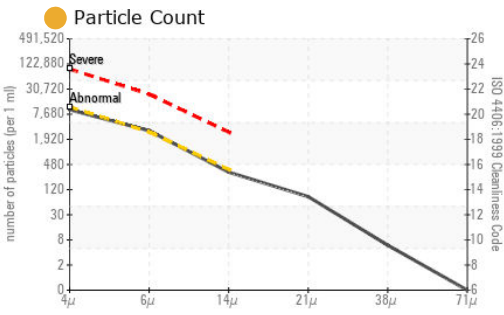
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0835380</b>	WC0835371	---
Sample Date		Client Info		<b>20 Mar 2024</b>	15 Dec 2023	---
Machine Age	hrs	Client Info		<b>0</b>	1351	---
Oil Age	hrs	Client Info		<b>761</b>	311	---
Filter Age	hrs	Client Info		<b>761</b>	311	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	Not Changd	---
Sample Status				<b>ATTENTION</b>	NORMAL	---

Iron	ppm	ASTM D5185(m)	>200	<b>6</b>	5	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	---
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>200	<b>3</b>	2	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

Silicon	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>10000	<b>8566</b>	5216	---
Particles >6µm		ASTM D7647	>2500	<b>2702</b>	1960	---
Particles >14µm		ASTM D7647	>320	<b>277</b>	232	---
Particles >21µm		ASTM D7647	>80	<b>72</b>	67	---
Particles >38µm		ASTM D7647	>20	<b>5</b>	5	---
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>20/19/15</b>	20/18/15	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	5	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	25	<b>2</b>	2	---
Calcium	ppm	ASTM D5185(m)	200	<b>49</b>	50	---
Phosphorus	ppm	ASTM D5185(m)	300	<b>328</b>	334	---
Zinc	ppm	ASTM D5185(m)	370	<b>422</b>	423	---
Sulfur	ppm	ASTM D5185(m)	2500	<b>712</b>	737	---
Visc @ 40°C	cSt	ASTM D7279(m)	46	<b>45.0</b>	44.8	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0835380 **Received** : 01 Apr 2024  
**Lab Number** : 02625675 **Tested** : 02 Apr 2024  
**Unique Number** : 5750794 **Diagnosed** : 02 Apr 2024 - Wes Davis  
**Test Package** : MOB 2

**BRODIE AG & INDUSTRIAL INC**  
 985285 PERTH OXFORD RD  
 TAVISTOCK, ON  
 CA N0B 2R0  
 Contact: AI  
 parts@brodie-ag.com  
 T: (519)632-1190  
 F: (519)632-1189

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.