



**LEAHY-WOLF**  
Lubricating specialists since 1946

OIL ANALYSIS REPORT

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



Area  
**K5 CONSTRUCTION CORPORATION - HODGKINS IL**  
Machine Id  
**1718**  
Component  
**Left Planetary**  
Fluid  
**LEAHY WOLF TRANSMASTER T04 50 (2 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LW0008903</b>	LW0007176	LW0005054
Sample Date		Client Info		<b>05 Feb 2024</b>	23 May 2023	14 Jun 2022
Machine Age	hrs	Client Info		<b>2742</b>	1831	1011
Oil Age	hrs	Client Info		<b>911</b>	1831	1011
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>98</b>	158	118
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	3	8
Lead	ppm	ASTM D5185m	>25	<b>0</b>	1	<1
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

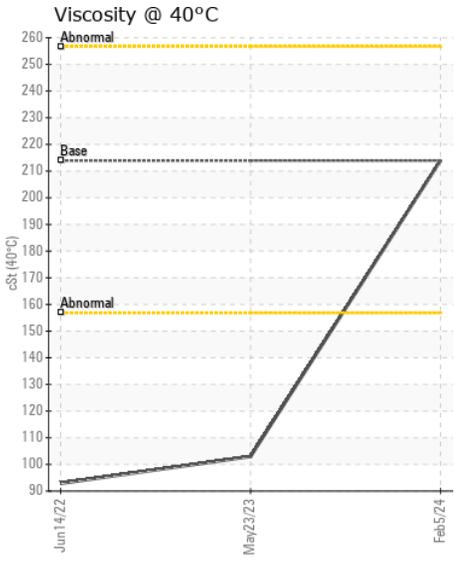
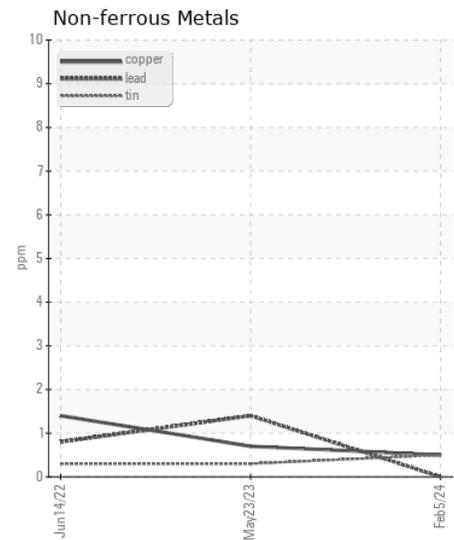
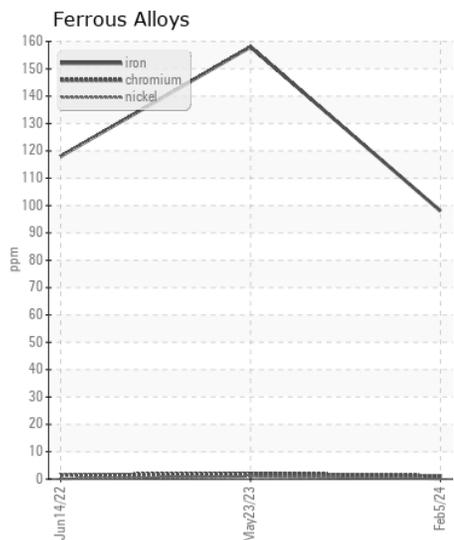
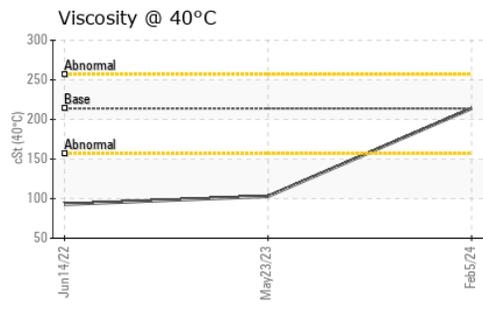
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>19</b>	17	30
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	5	8
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	4	3
Boron	ppm	ASTM D5185m	2	<b>10</b>	<1	2
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	10	10
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	3	2
Magnesium	ppm	ASTM D5185m	9	<b>15</b>	13	16
Calcium	ppm	ASTM D5185m	3114	<b>2558</b>	3181	3083
Phosphorus	ppm	ASTM D5185m	1099	<b>777</b>	1097	1012
Zinc	ppm	ASTM D5185m	1245	<b>1087</b>	1367	1258
Sulfur	ppm	ASTM D5185m	7086	<b>5462</b>	8196	5441
Visc @ 40°C	cSt	ASTM D445	213.9	<b>214</b>	103	92.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LW0008903  
**Lab Number** : 06087784  
**Unique Number** : 10875229  
**Test Package** : FLEET  
**Received** : 13 Feb 2024  
**Tested** : 14 Feb 2024  
**Diagnosed** : 14 Feb 2024 - Wes Davis

**K5 CONSTRUCTION CORPORATION**  
 6301 S EAST AVENUE  
 HODGKINS, IL  
 US 60525  
 Contact: FRANCISCO MUNOZ  
 franciscom@k-five.net

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)