



**LEAHY-WOLF**  
Lubricating specialists since 1946



OIL ANALYSIS REPORT

WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**



Area  
**K5 CONSTRUCTION CORPORATION - HODGKINS IL**

Machine Id  
**2050**

Component  
**Hydraulic System**

Fluid  
**LEAHY WOLF LUBEMASTER HYDRAULIC OIL (58 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LW0008549</b>	LW0008063	LW0006344
Sample Date		Client Info		<b>01 Feb 2024</b>	17 Oct 2023	01 Mar 2023
Machine Age	hrs	Client Info		<b>5060</b>	5060	3857
Oil Age	hrs	Client Info		<b>3857</b>	1203	2087
Filter Age	hrs	Client Info		<b>3857</b>	0	290
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>4</b>	6	6
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>1</b>	2	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>10	<b>2</b>	2	2
Copper	ppm	ASTM D5185m	>75	<b>7</b>	7	10
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

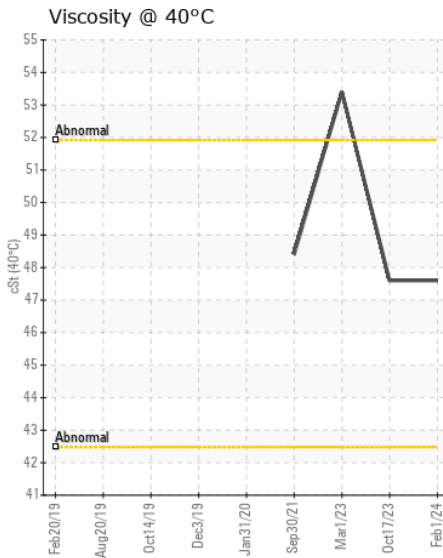
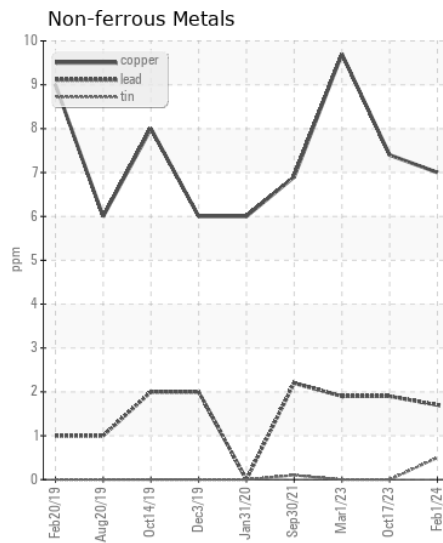
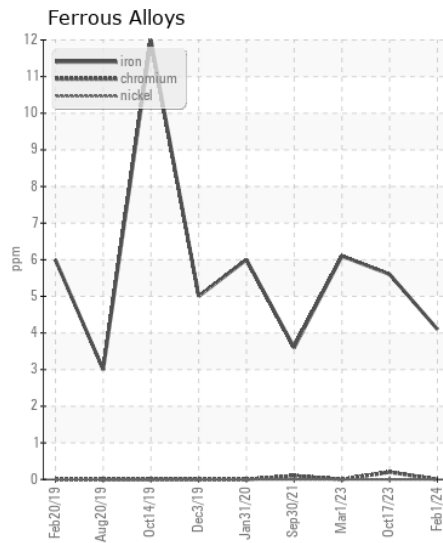
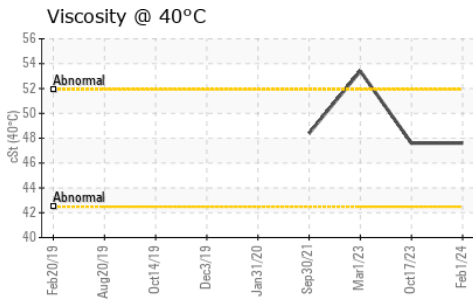
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>9</b>	9	6
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	<1
Water		WC Method	>0.1	<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	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>1</b>	0	6
Boron	ppm	ASTM D5185m		<b>87</b>	94	84
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>4</b>	4	4
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>81</b>	82	63
Calcium	ppm	ASTM D5185m		<b>2776</b>	2987	2621
Phosphorus	ppm	ASTM D5185m		<b>920</b>	1047	927
Zinc	ppm	ASTM D5185m		<b>1228</b>	1333	1173
Sulfur	ppm	ASTM D5185m		<b>2885</b>	3668	3233
Visc @ 40°C	cSt	ASTM D445		<b>47.6</b>	47.6	53.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LW0008549  
**Lab Number** : 06087839  
**Unique Number** : 10875284  
**Test Package** : FLEET

**Received** : 13 Feb 2024  
**Tested** : 14 Feb 2024  
**Diagnosed** : 14 Feb 2024 - Wes Davis

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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)