



# OIL ANALYSIS REPORT

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

Area  
**K5 CONSTRUCTION CORPORATION - HODGKINS IL**

Machine Id  
**2028**  
Component  
**Rear Right Planetary**

Fluid  
**LEAHY WOLF SYNMASTER 80W140 (1 hrs)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LW0008853</b>	LW0004321	LWI-K94661
Sample Date		Client Info		<b>19 Apr 2024</b>	11 Feb 2022	01 May 2018
Machine Age	hrs	Client Info		<b>5847</b>	5818	5331
Oil Age	hrs	Client Info		<b>29</b>	395	1819
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>39</b>	41	89
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>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	1	0
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m	>75	<b>0</b>	2	15
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

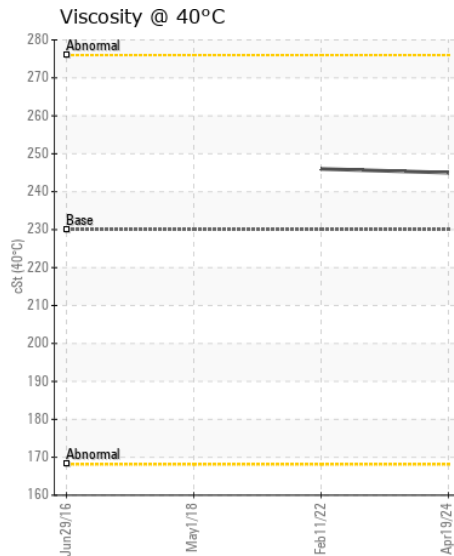
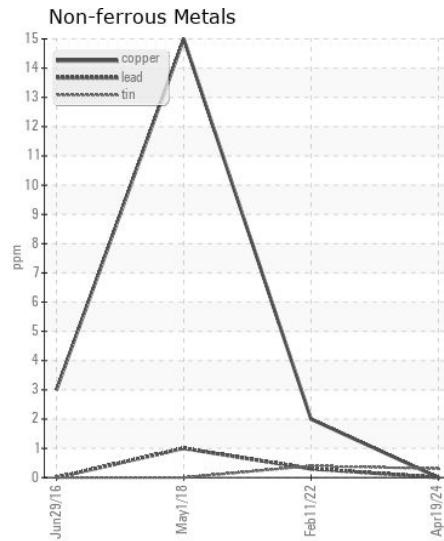
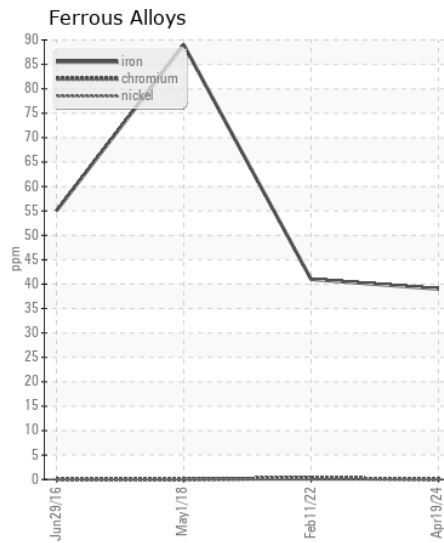
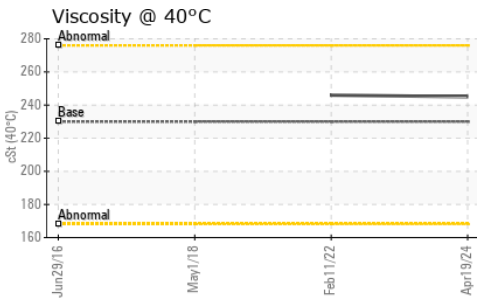
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>10</b>	11	7
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
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	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	1	0
Boron	ppm	ASTM D5185m	202	<b>261</b>	238	268
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Calcium	ppm	ASTM D5185m		<b>12</b>	3	6
Phosphorus	ppm	ASTM D5185m	1209	<b>1351</b>	1285	1191
Zinc	ppm	ASTM D5185m		<b>6</b>	<1	11
Sulfur	ppm	ASTM D5185m	20439	<b>25862</b>	20661	---
Visc @ 40°C	cSt	ASTM D445	230	<b>245</b>	246	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LW0008853  
**Lab Number** : 06160796  
**Unique Number** : 10996219  
**Test Package** : FLEET

**Received** : 25 Apr 2024  
**Tested** : 26 Apr 2024  
**Diagnosed** : 29 Apr 2024 - Sean Felton

**K5 CONSTRUCTION CORPORATION**  
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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)

T:  
F: