



# OIL ANALYSIS REPORT

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

Area  
**K5 CONSTRUCTION CORPORATION - HODGKINS IL**

Machine Id

**1780**

Component

**Pump Drive**

Fluid

**LEAHY WOLF SYNMASTER 75W90 (6 GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

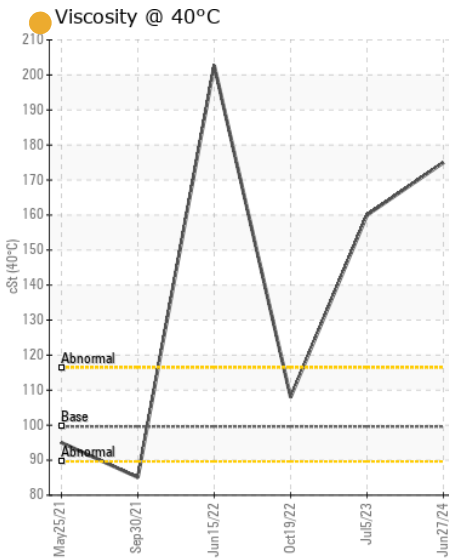
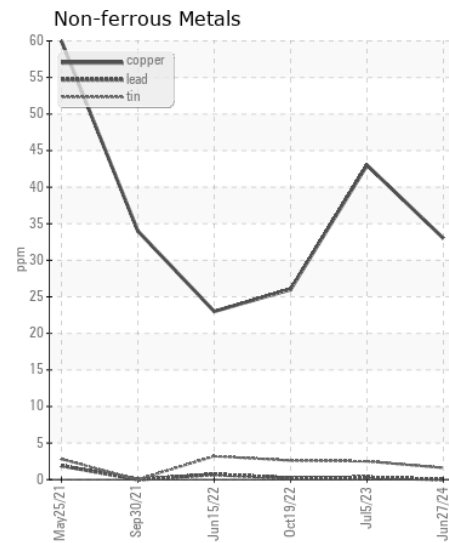
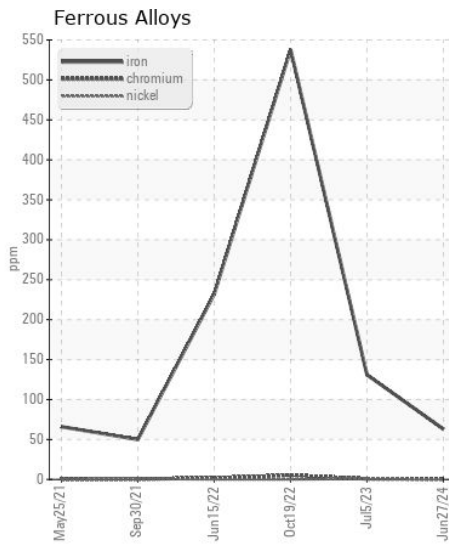
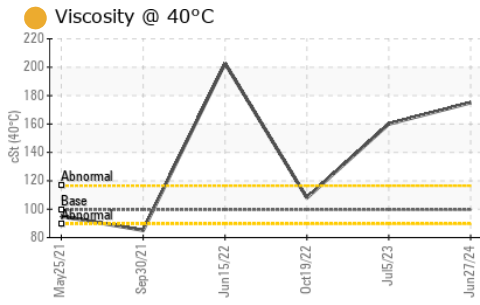
The oil viscosity is higher than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LW0009283</b>	LW0007421	LW0006044
Sample Date		Client Info		<b>27 Jun 2024</b>	05 Jul 2023	19 Oct 2022
Machine Age	hrs	Client Info		<b>34599</b>	2948	2199
Oil Age	hrs	Client Info		<b>31651</b>	2231	285
Filter Age	hrs	Client Info		<b>0</b>	2231	285
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>ATTENTION</b>	ATTENTION	ABNORMAL

Iron	ppm	ASTM D5185m	>500	<b>63</b>	131	▲ 538
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	5
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>20	<b>3</b>	0	2
Lead	ppm	ASTM D5185m		<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>35	<b>33</b>	43	26
Tin	ppm	ASTM D5185m	>4	<b>2</b>	2	3
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	<b>2</b>	1	4
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	2
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m	328	<b>7</b>	49	257
Barium	ppm	ASTM D5185m	1	<b>370</b>	320	2
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	1	6
Magnesium	ppm	ASTM D5185m	1	<b>0</b>	4	8
Calcium	ppm	ASTM D5185m	7	<b>88</b>	84	107
Phosphorus	ppm	ASTM D5185m	1145	<b>1179</b>	1190	1254
Zinc	ppm	ASTM D5185m	3	<b>61</b>	56	71
Sulfur	ppm	ASTM D5185m	17909	<b>26296</b>	27241	24529
Visc @ 40°C	cSt	ASTM D445	99.6	● <b>175</b>	● 160	108



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LW0009283  
**Lab Number** : 06226602  
**Unique Number** : 11110095  
**Test Package** : FLEET  
**Received** : 02 Jul 2024  
**Tested** : 03 Jul 2024  
**Diagnosed** : 05 Jul 2024 - Don Baldrige

**K5 CONSTRUCTION CORPORATION**  
 6301 S EAST AVENUE  
 HODGKINS, IL  
 US 60525  
 Contact: Dave Gorski  
 daveg@k-five.net  
 T: (630)257-5600  
 F:

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)