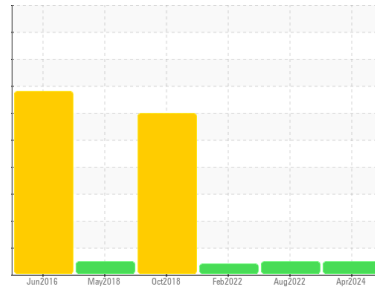


# OIL ANALYSIS REPORT

Area  
**K5 CONSTRUCTION CORPORATION - HODGKINS IL**  
 Machine Id  
**2028**  
 Component  
**Pump Drive**  
 Fluid  
**LEAHY WOLF SYNMASTER 75W90 (4 hrs)**

Sample Rating Trend



## DIAGNOSIS

**Recommendation**  
 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 condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0122091</b>	LW0005038	LW0004328
Sample Date	Client Info		<b>19 Apr 2024</b>	12 Aug 2022	11 Feb 2022
Machine Age	hrs	Client Info	<b>5847</b>	5847	5818
Oil Age	hrs	Client Info	<b>5847</b>	29	134
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>5</b>	4	25
Chromium	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m >10	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m >20	<b>2</b>	<1	0
Lead	ppm	ASTM D5185m	<b>1</b>	0	0
Copper	ppm	ASTM D5185m >35	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m >4	<b>1</b>	<1	<1
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

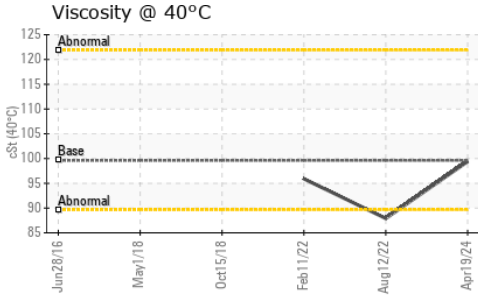
## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 328	<b>372</b>	280	249
Barium	ppm	ASTM D5185m 1	<b>0</b>	1	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 1	<b>5</b>	2	4
Calcium	ppm	ASTM D5185m 7	<b>21</b>	11	9
Phosphorus	ppm	ASTM D5185m 1145	<b>1793</b>	1104	1262
Zinc	ppm	ASTM D5185m 3	<b>65</b>	42	13
Sulfur	ppm	ASTM D5185m 17909	<b>32944</b>	20024	19257
Lithium	ppm	ASTM D5185m	<b>---</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>3</b>	2	22
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	2
Potassium	ppm	ASTM D5185m >20	<b>2</b>	<1	2

# OIL ANALYSIS REPORT



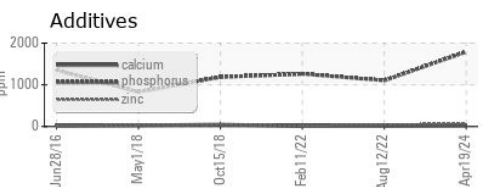
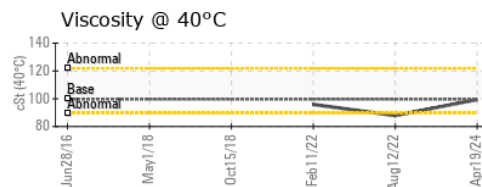
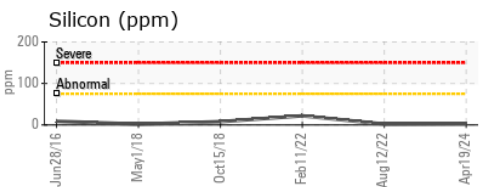
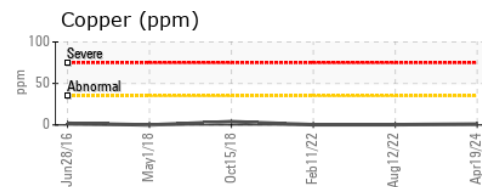
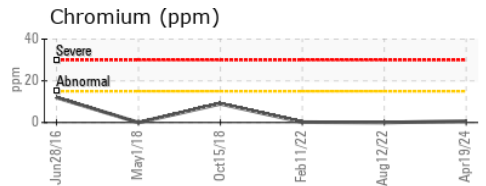
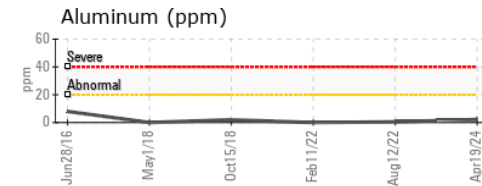
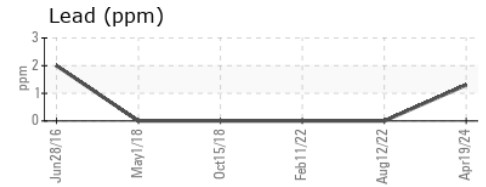
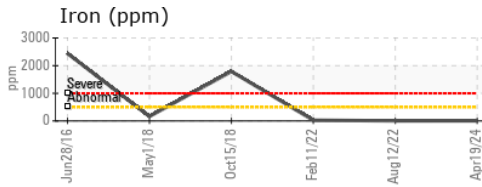
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	99.6	<b>99.4</b>	87.9	95.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				<i>no image</i>	<i>no image</i>	<i>no image</i>
Bottom				<i>no image</i>	<i>no image</i>	<i>no image</i>

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0122091  
**Lab Number** : 06159941  
**Unique Number** : 10995364  
**Test Package** : MOB 1

**Received** : 24 Apr 2024  
**Tested** : 25 Apr 2024  
**Diagnosed** : 25 Apr 2024 - Wes Davis

**K5 CONSTRUCTION CORPORATION**  
 6301 S EAST AVENUE  
 HODGKINS, IL  
 US 60525  
 Contact: FRANCISCO MUNOZ  
 francisco@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)

T:  
F: