



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
K5 CONSTRUCTION CORPORATION - HODGKINS IL
Machine Id
1865
Component
Rear Final Drive
Fluid
LEAHY WOLF SYNMASTER 75W90 (1 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0008929	LW0005014	---
Sample Date		Client Info		05 Feb 2024	07 Jul 2022	---
Machine Age	hrs	Client Info		795	503	---
Oil Age	hrs	Client Info		292	503	---
Filter Age	hrs	Client Info		0	503	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	None	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	302	312	---
Chromium	ppm	ASTM D5185m	>10	6	6	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m	>15	4	5	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>75	1	4	---
Lead	ppm	ASTM D5185m	>10	0	<1	---
Copper	ppm	ASTM D5185m	>75	7	20	---
Tin	ppm	ASTM D5185m	>8	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

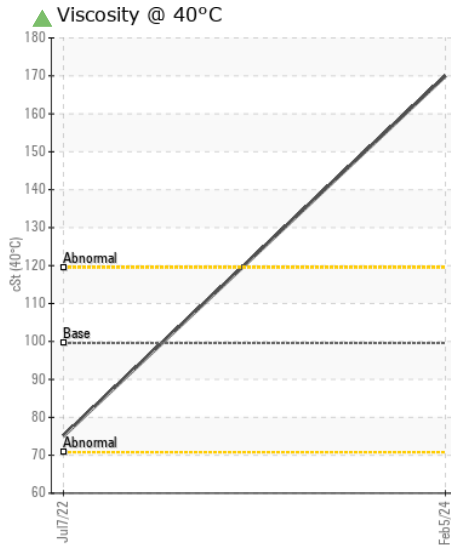
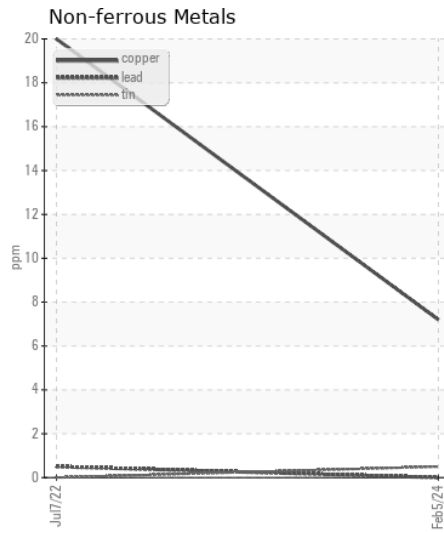
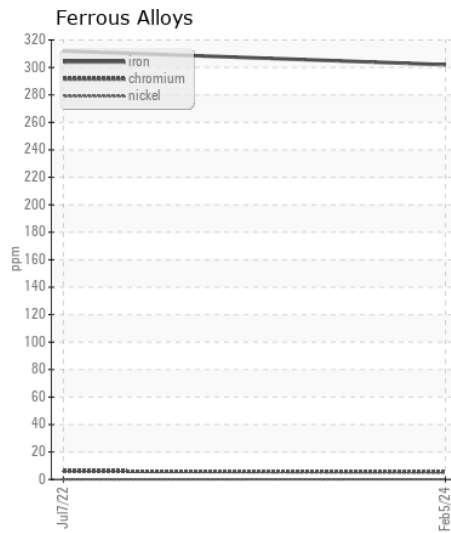
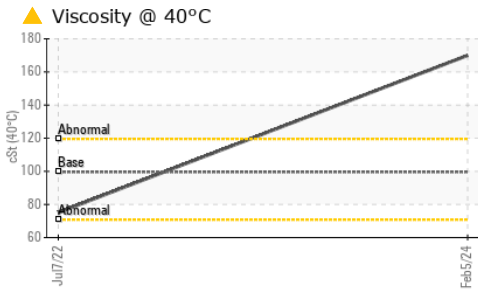
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	6	10	---
Potassium	ppm	ASTM D5185m	>20	1	7	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
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	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		5	15	---
Boron	ppm	ASTM D5185m	328	311	628	---
Barium	ppm	ASTM D5185m	1	0	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		4	6	---
Magnesium	ppm	ASTM D5185m	1	165	915	---
Calcium	ppm	ASTM D5185m	7	65	28	---
Phosphorus	ppm	ASTM D5185m	1145	1216	1550	---
Zinc	ppm	ASTM D5185m	3	54	80	---
Sulfur	ppm	ASTM D5185m	17909	24602	25390	---
Visc @ 40°C	cSt	ASTM D445	99.6	▲ 170	75.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LW0008929
Lab Number : 06087783
Unique Number : 10875228
Test Package : FLEET

Received : 13 Feb 2024
Tested : 14 Feb 2024
Diagnosed : 15 Feb 2024 - Jonathan Hester

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)