



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
K5 CONSTRUCTION CORPORATION - HODGKINS IL

Machine Id

4290

Component

Transmission (Manual)

Fluid

LEAHY WOLF TRANSMASER TO4 50 (4 hrs)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0008849	LWI-141973	LWI-B23932
Sample Date		Client Info		19 Apr 2024	03 Mar 2020	31 Mar 2017
Machine Age	hrs	Client Info		25452	18022	12615
Oil Age	hrs	Client Info		7430	5407	3344
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		N/A	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	32	45	45
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>7	<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	5	4
Lead	ppm	ASTM D5185m	>45	1	0	0
Copper	ppm	ASTM D5185m	>225	7	5	3
Tin	ppm	ASTM D5185m	>10	1	1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

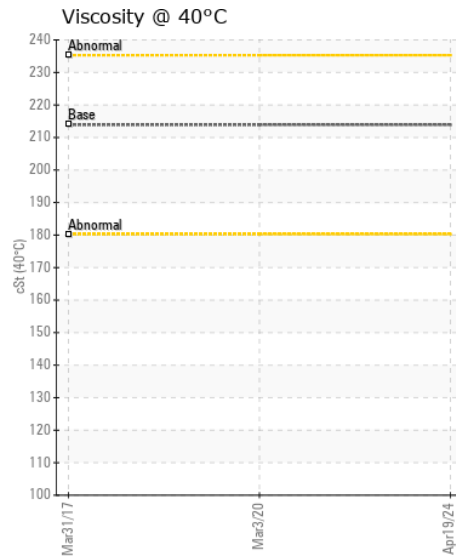
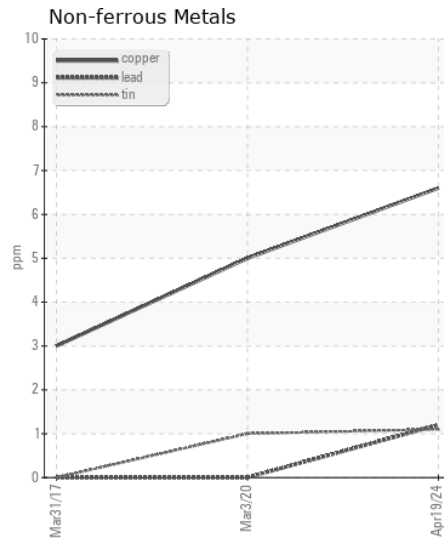
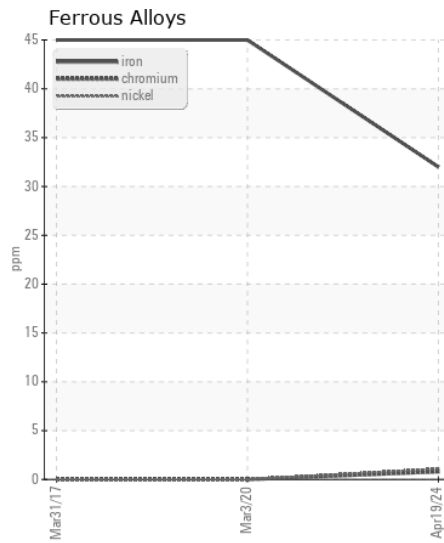
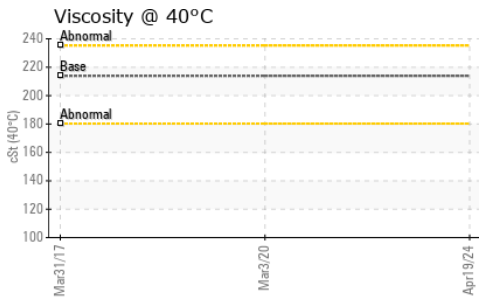
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>125	21	74	9
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	2	3
Boron	ppm	ASTM D5185m	2	238	259	238
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	1	0	0
Manganese	ppm	ASTM D5185m		1	0	0
Magnesium	ppm	ASTM D5185m	9	12	1	1
Calcium	ppm	ASTM D5185m	3114	117	72	16
Phosphorus	ppm	ASTM D5185m	1099	687	1075	1108
Zinc	ppm	ASTM D5185m	1245	34	15	5
Sulfur	ppm	ASTM D5185m	7086	1438	---	---
Visc @ 40°C	cSt	ASTM D445	213.9	108	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LW0008849
Lab Number : 06159945
Unique Number : 10995368
Test Package : FLEET

Received : 24 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 26 Apr 2024 - Sean Felton

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)