



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
K5 CONSTRUCTION CORPORATION - HODGKINS IL
Machine Id
1718
Component
Right Planetary
Fluid
LEAHY WOLF TRANSMASTER TO4 50 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0008902	LW0007175	LW0005055
Sample Date		Client Info		05 Feb 2024	23 May 2023	14 Jun 2022
Machine Age	hrs	Client Info		2742	1831	1011
Oil Age	hrs	Client Info		911	1831	1011
Filter Age	hrs	Client Info		0	1830	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	52	256	77
Chromium	ppm	ASTM D5185m	>10	<1	3	1
Nickel	ppm	ASTM D5185m	>10	0	1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	9	2
Lead	ppm	ASTM D5185m	>25	0	2	<1
Copper	ppm	ASTM D5185m	>75	<1	2	1
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

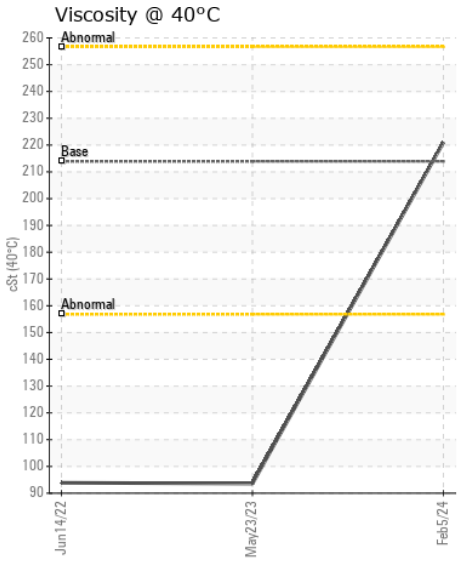
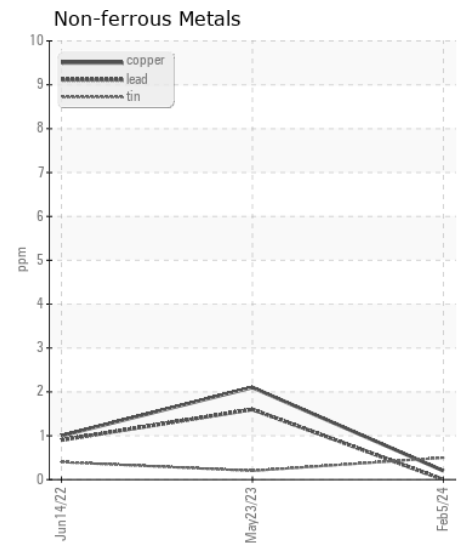
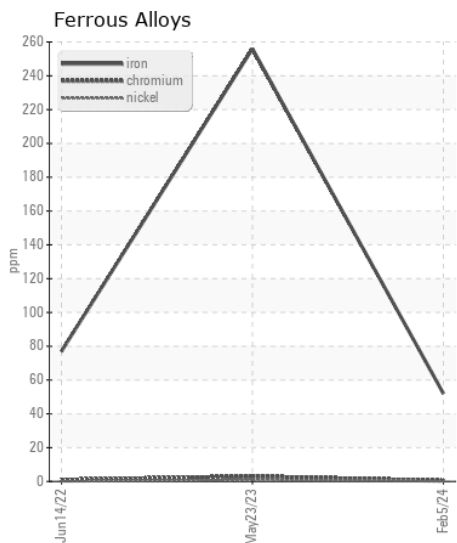
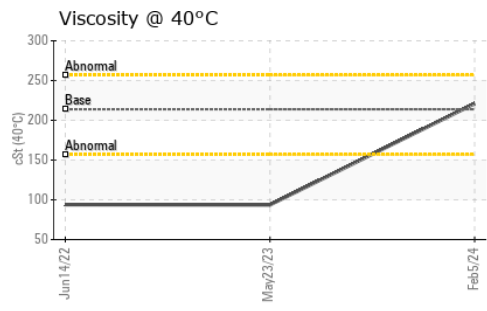
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	16	41	9
Potassium	ppm	ASTM D5185m	>20	0	11	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	4	3
Boron	ppm	ASTM D5185m	2	1	1	3
Barium	ppm	ASTM D5185m	0	<1	12	10
Molybdenum	ppm	ASTM D5185m	0	1	<1	<1
Manganese	ppm	ASTM D5185m		<1	4	2
Magnesium	ppm	ASTM D5185m	9	10	17	14
Calcium	ppm	ASTM D5185m	3114	2620	3194	3025
Phosphorus	ppm	ASTM D5185m	1099	752	1097	996
Zinc	ppm	ASTM D5185m	1245	1084	1374	1246
Sulfur	ppm	ASTM D5185m	7086	5023	7467	5381
Visc @ 40°C	cSt	ASTM D445	213.9	221	93.6	93.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LW0008902
Lab Number : 06087786
Unique Number : 10875231
Test Package : FLEET
Received : 13 Feb 2024
Tested : 14 Feb 2024
Diagnosed : 14 Feb 2024 - Wes Davis

K5 CONSTRUCTION CORPORATION
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 US 60525
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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)