



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
K5 CONSTRUCTION CORPORATION - HODGKINS IL

Machine Id
1165
Component
Hydraulic System

Fluid
LEAHY WOLF LUBEMASTER HYDRAULIC OIL (21 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0122073	LW0004734	LW0003766
Sample Date		Client Info		19 Apr 2024	09 May 2022	30 Nov 2021
Machine Age	hrs	Client Info		9612	9352	9177
Oil Age	hrs	Client Info		260	1005	863
Filter Age	hrs	Client Info		260	1005	863
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	8	14	18
Chromium	ppm	ASTM D5185m	>10	<1	3	4
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	4	<1
Aluminum	ppm	ASTM D5185m	>10	3	1	1
Lead	ppm	ASTM D5185m	>10	<1	1	1
Copper	ppm	ASTM D5185m	>75	2	15	22
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

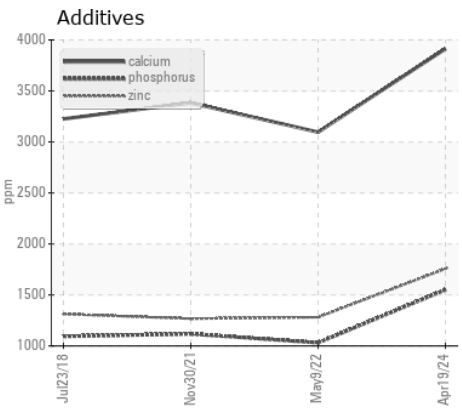
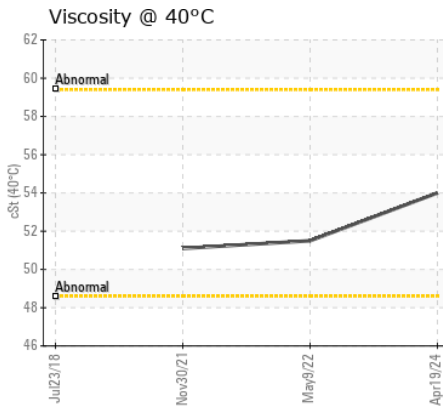
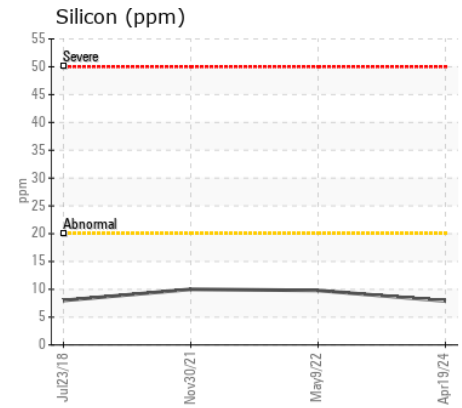
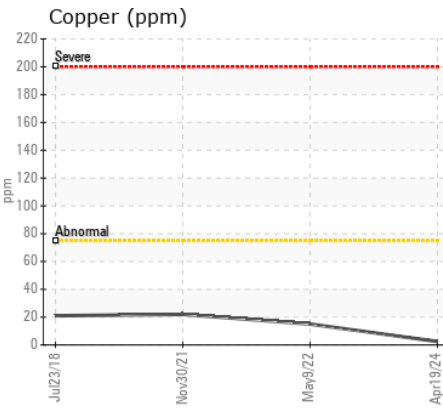
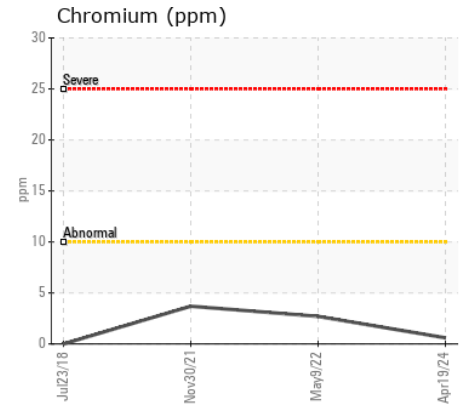
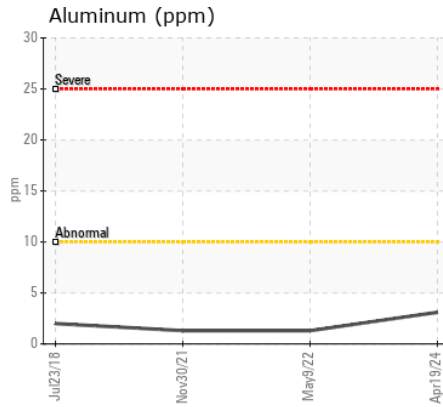
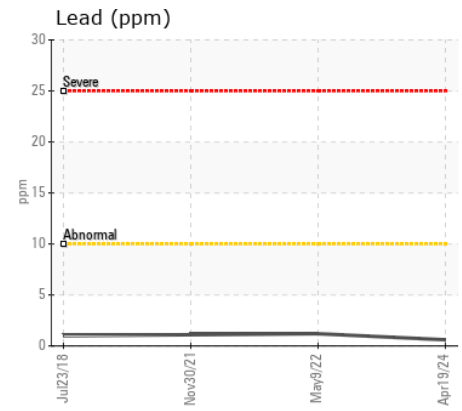
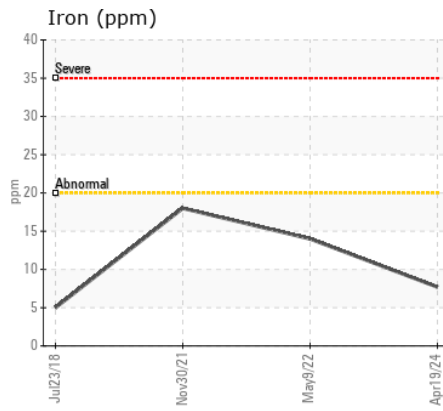
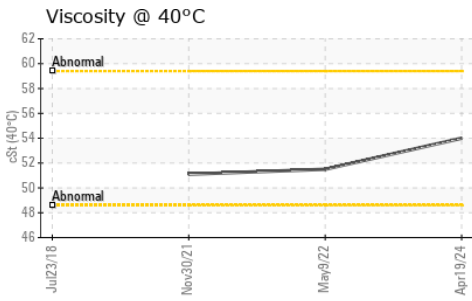
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	8	10	10
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	4	0
Boron	ppm	ASTM D5185m		12	107	97
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		6	5	5
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		79	87	75
Calcium	ppm	ASTM D5185m		3913	3096	3383
Phosphorus	ppm	ASTM D5185m		1551	1031	1118
Zinc	ppm	ASTM D5185m		1757	1281	1267
Sulfur	ppm	ASTM D5185m		7625	2657	2688
Visc @ 40°C	cSt	ASTM D445		54.0	51.5	51.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122073
Lab Number : 06159961
Unique Number : 10995384
Test Package : MOB 1

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

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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)