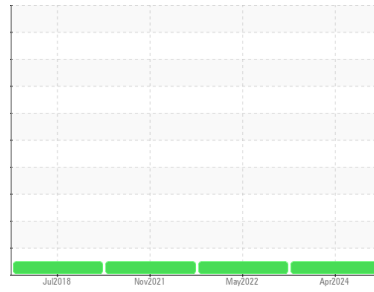


OIL ANALYSIS REPORT



Area
K5 CONSTRUCTION CORPORATION - HODGKINS IL
 Machine Id
1165
 Component
Hydraulic System
 Fluid
LEAHY WOLF LUBEMASTER HYDRAULIC OIL (21 GAL)

Sample Rating Trend



NORMAL

✓

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		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
Oil Changed	Client Info		Not Changed	Changed	Not Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
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
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	<1	0

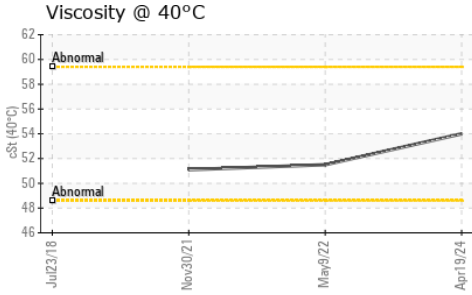
ADDITIVES

	method	limit/base	current	history1	history2
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
Lithium	ppm	ASTM D5185m	---	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	8	10	10
Sodium	ppm	ASTM D5185m	4	4	0
Potassium	ppm	ASTM D5185m >20	1	0	<1

OIL ANALYSIS REPORT



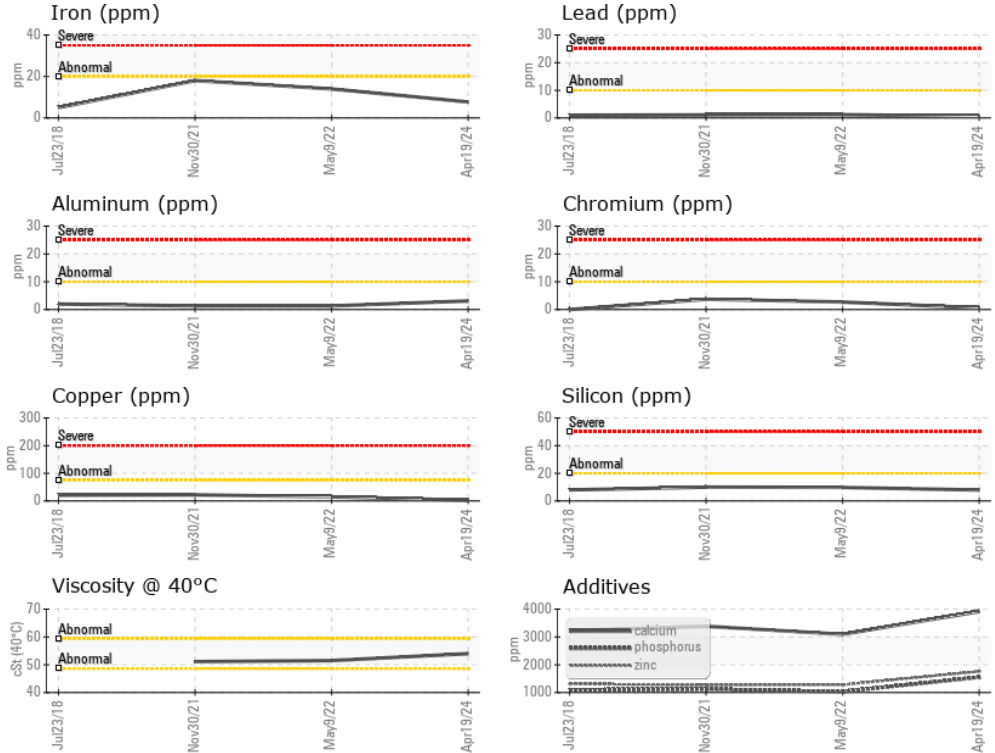
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	54.0	51.5	51.1

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122073 **Received** : 24 Apr 2024
Lab Number : 06159961 **Tested** : 25 Apr 2024
Unique Number : 10995384 **Diagnosed** : 25 Apr 2024 - Wes Davis
Test Package : MOB 1

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)