



LEAHY-WOLF
Lubricating specialists since 1946

WEAR

NORMAL

CONTAMINATION

NORMAL

FLUID CONDITION

NORMAL

OIL ANALYSIS REPORT



Area
K5 CONSTRUCTION CORPORATION - HODGKINS IL

Machine Id

1116

Component

Hydraulic System

Fluid

LEAHY WOLF LUBEMASTER HYDRAULIC OIL (9 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LW0008538	LW0005910	LW0002978
Sample Date		Client Info		05 Feb 2024	16 Nov 2022	02 Aug 2021
Machine Age	hrs	Client Info		2540	1963	1475
Oil Age	hrs	Client Info		577	1238	476
Filter Age	hrs	Client Info		577	1238	476
Oil Changed		Client Info		Not Changed	Changed	N/A
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>71	14	19	11
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>6	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>11	<1	0	<1
Lead	ppm	ASTM D5185m	>13	1	2	3
Copper	ppm	ASTM D5185m	>21	6	8	7
Tin	ppm	ASTM D5185m	>5	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

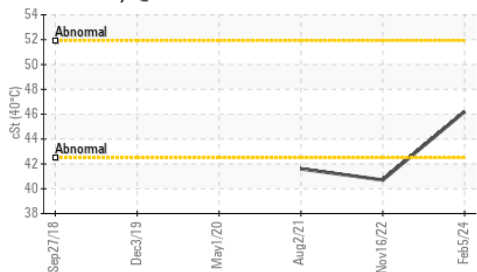
Silicon	ppm	ASTM D5185m	>24	11	7	8
Potassium	ppm	ASTM D5185m	>20	0	3	3
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

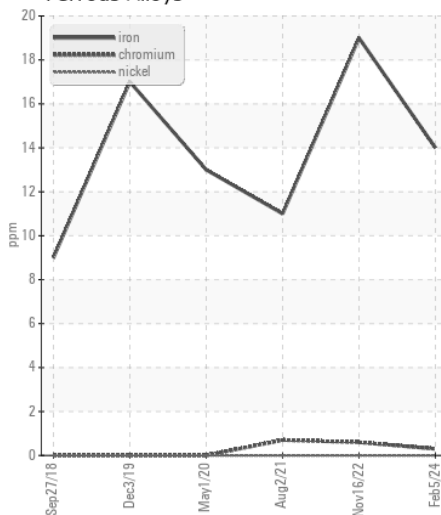
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>21	1	4	7
Boron	ppm	ASTM D5185m		75	50	53
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		4	3	3
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		66	49	52
Calcium	ppm	ASTM D5185m		2291	1713	1800
Phosphorus	ppm	ASTM D5185m		875	813	1002
Zinc	ppm	ASTM D5185m		1145	1048	1122
Sulfur	ppm	ASTM D5185m		2659	2608	2446
Visc @ 40°C	cSt	ASTM D445		46.2	40.7	41.6

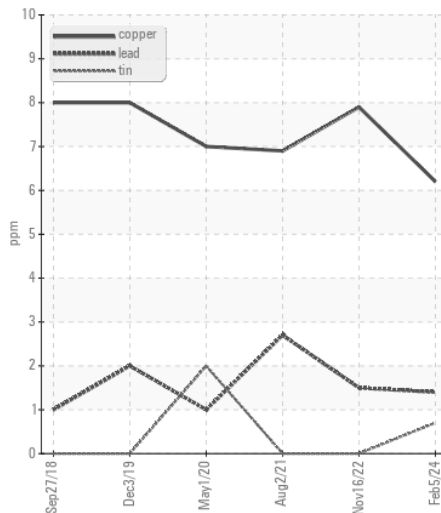
Viscosity @ 40°C



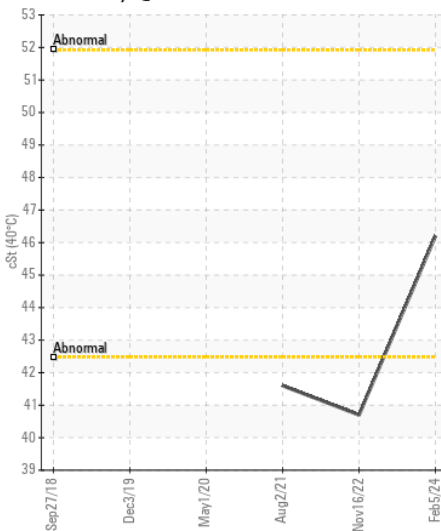
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : LW0008538
 Lab Number : 06087836
 Unique Number : 10875281
 Test Package : FLEET

Received : 13 Feb 2024
 Tested : 14 Feb 2024
 Diagnosed : 14 Feb 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)