

WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

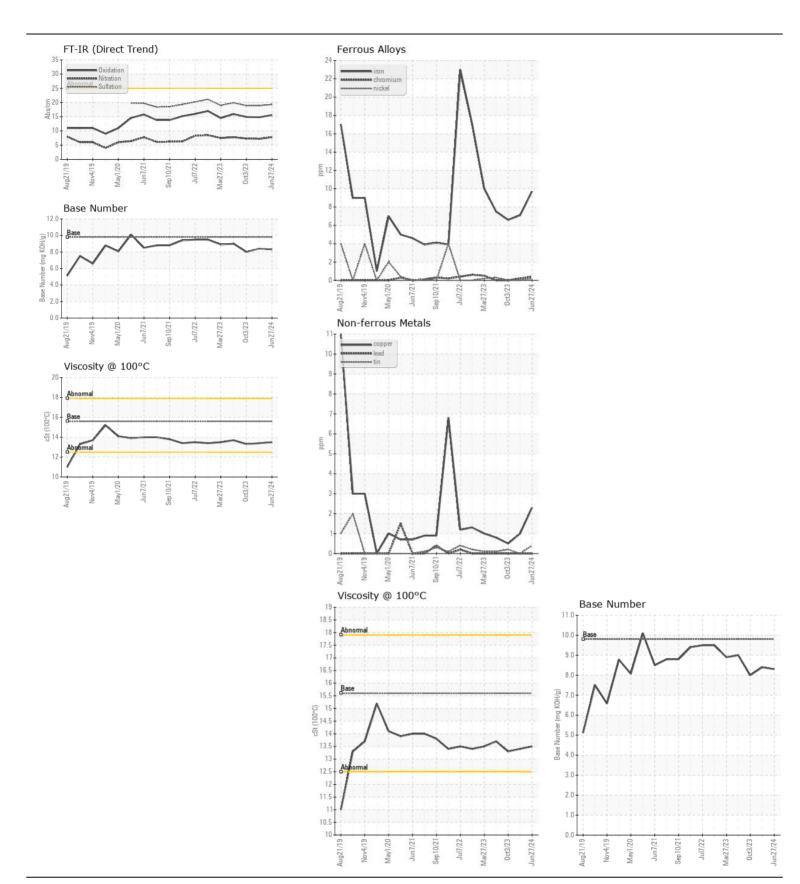
K5 CONSTRUCTION CORPORATION - HODGKINS IL

4127 Component

Diesel Engine

Fluid
I EAHY WAI F PREMILIM 15W40 (38 hrs)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LW0009220	LW0008925	LW000804
	Sample Date		Client Info		27 Jun 2024	05 Feb 2024	03 Oct 202
	Machine Age	hrs	Client Info		7406	6971	6441
	Oil Age	hrs	Client Info		435	530	558
	Filter Age	hrs	Client Info		435	530	558
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	10	7	7
	Chromium	ppm	ASTM D5185m	>20	<1	<1	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m	>20	5	3	3
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		2	1	<1
	Tin	ppm	ASTM D5185m	>15	<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	4	3
ONTAMINATION	Potassium	ppm	ASTM D5185m		8	8	8
There is no indication of any contamination in the oil.	Fuel	PPIII	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	7 U.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.8	7.2	7.3
	Sulfation	Abs/.1mm	*ASTM D7415		19.3	18.9	18.9
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ACTM DE195m		0	0	<1
LOID CONDITION	Boron	ppm	ASTM D5185m		2	0	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		62	67	59
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		931	998	968
	Calcium	ppm	ASTM D5185m		1101	1118	1166
	Phosphorus	ppm	ASTM D5185m		963	982	1019
	Zinc	ppm	ASTM D5185m		1213	1319	1302
	Sulfur	ppm	ASTM D5185m		2633	2854	3159
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	14.8	14.9
	Base Number (BN)				8.3	8.4	8.0







Certificate L2367

Laboratory Sample No.

Lab Number : 06225795 Unique Number: 11109288

: LW0009220 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 02 Jul 2024 **Tested**

: 03 Jul 2024 : 03 Jul 2024 - Wes Davis Diagnosed

K5 CONSTRUCTION CORPORATION

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* - 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)

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