

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

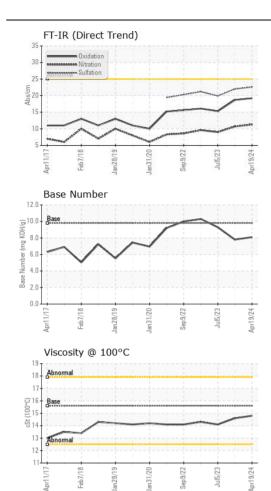


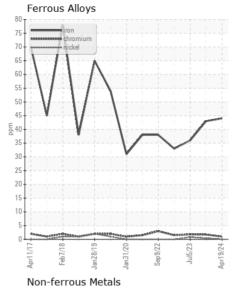
K5 CONSTRUCTION CORPORATION - HODGKINS IL

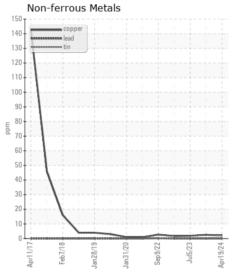
2046

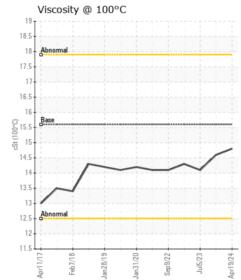
Component
Diesel Engine

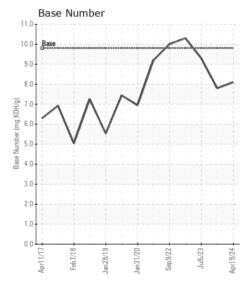
LEAHY WOLF PREMIUM 15W4	0 (4 hrs)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RESOMMENDATION	Sample Number	OOW	Client Info	Little	LW0008416	,	LW0007502
Resample at the next service interval to monitor.	Sample Date		Client Info		19 Apr 2024	26 Sep 2023	05 Jul 2023
	Machine Age	hrs	Client Info		4012	3799	3487
	Oil Age	hrs	Client Info		213	312	284
	Filter Age	hrs	Client Info		213	312	284
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	44	43	36
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	1	2	2
	Nickel	ppm	ASTM D5185m	>2	0	<1	<1
	Titanium	ppm	ASTM D5185m	>2	0	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	<1
	Aluminum	ppm	ASTM D5185m	>25	22	<u></u> 30	△ 30
	Lead	ppm	ASTM D5185m	>40	0	0	0
	Copper	ppm	ASTM D5185m	>330	2	2	2
	Tin	ppm	ASTM D5185m	>15	0	<1	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	Silicon	ppm	ASTM D5185m	>25	6	6	4
	Potassium	ppm	ASTM D5185m	>20	0	1	2
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	1.2	1.2	1.1
	Nitration	Abs/cm	*ASTM D7624	>20	11.3	10.7	9.0
	Sulfation	Abs/.1mm	*ASTM D7415		22.6	22.0	19.9
	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	NORML
	Odor	scalar	*Visual *Visual	NORML >0.2	NORML NEG	NORML NEG	NORML NEG
	Emulsified Water	Scalai	Visuai	>0.2			INLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	2	0
The DN requit indicates that there is quitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		3	<1	1
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		0	0	0
	Molybdenum	ppm	ASTM D5185m		66	80	60
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		1039	1187	878
	Calcium	ppm	ASTM D5185m		1253	1420	1196
	Phosphorus	ppm	ASTM D5185m		1118	1299	1029
	Zinc	ppm	ASTM D5185m ASTM D5185m		1367	1630	1215
	Sulfur Oxidation	ppm Abs/1mm		> 2F	3402	4200	3083
	Base Number (BN)	Abs/.1mm	*ASTM D7414		19.2 8.1	18.7 7.8	15.3 9.3
	Visc @ 100°C	cSt	ASTM D2090		14.8	14.6	14.1
	V130 @ 100 0	COL	CFFG IVI D1	10.0	17.0	17.0	17.1















Certificate L2367

Laboratory Sample No.

Test Package : FLEET

: LW0008416 Lab Number : 06158922

Unique Number : 10994345

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested**

Diagnosed

: 25 Apr 2024 : 25 Apr 2024 - Wes Davis

K5 CONSTRUCTION CORPORATION 6301 S EAST AVENUE HODGKINS, IL

US 60525 Contact: Dave Gorski

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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)

Report Id: K5CWES [WUSCAR] 06158922 (Generated: 04/25/2024 11:17:51) Rev: 1

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