

WEAR CONTAMINATION FLUID CONDITION

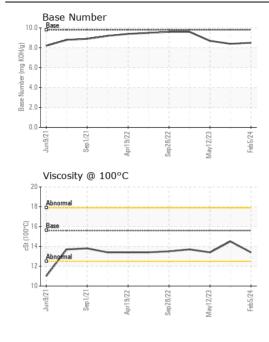
NORMAL NORMAL NORMAL

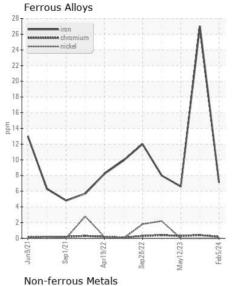
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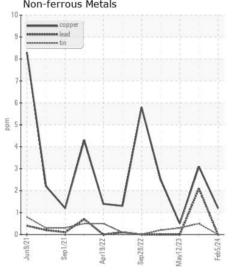
4128

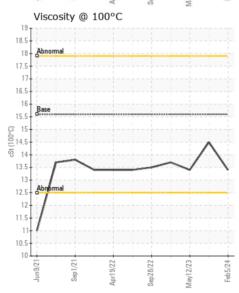
Component Diesel Engine

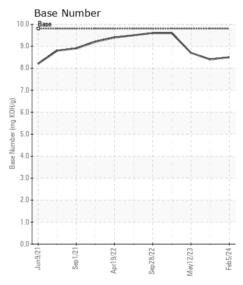
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LW0008546	LW0008046	LW000696
	Sample Date		Client Info		05 Feb 2024	03 Oct 2023	12 May 202
	Machine Age	hrs	Client Info		5414	4851	3838
	Oil Age	hrs	Client Info		563	528	523
	Filter Age	hrs	Client Info		563	528	523
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>110	7	27	7
	Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m	>2	0	0	<1
	Aluminum	ppm	ASTM D5185m		4	0	4
	Lead	ppm	ASTM D5185m		0	2	0
	Copper	ppm	ASTM D5185m		1	3	<1
	Tin	ppm	ASTM D5185m		0	<1	<1
	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	>30	5	3	5
OSITIAMINATION	Potassium	ppm	ASTM D5185m		14	5	9
There is no indication of any contamination in the oil.	Fuel	pp	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	2.5	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.3	8.7	7.0
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8	23.8	19.0
	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
LUID CONDITION	Sodium	ppm	ASTM D5185m		0	2	1
	Boron	ppm	ASTM D5185m		0	0	5
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		65	59	58
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m		986	965	966
	Calcium	ppm	ASTM D5185m		1092	1085	1185
	Phosphorus	ppm	ASTM D5185m		980	1023	1067
	Zinc	ppm	ASTM D5185m		1281	1274	1321
	Sulfur	ppm	ASTM D5185m		2916	3162	3748
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7	17.0	14.7
	Base Number (BN)		ASTM D2896		8.5	8.4	8.7
	Visc @ 100°C	cSt	ASTM D445		13.4	14.5	13.4













Certificate L2367

Laboratory Sample No.

: LW0008546 **Lab Number** : 06087065 Unique Number : 10874510 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Feb 2024 : 14 Feb 2024 **Tested**

: 14 Feb 2024 - Wes Davis Diagnosed

K5 CONSTRUCTION CORPORATION 6301 S EAST AVENUE

HODGKINS, IL US 60525

Contact: Dave Gorski daveg@k-five.net T: (630)257-5600

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)

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