				WEAR		NORMAL NORMAL NORMAL	
		ſ	FLUID CONDITION				
K5 CONSTRUCTION CORF Machine Id 2050 Component Diesel Engine Fluid LEAHY WOLF PREMIUM 15W4		I - H(DDGKII	NS II	-		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LW0008552	LW0007491	LW0007444
	Sample Date		Client Info		01 Feb 2024	17 Oct 2023	13 Jul 2023
	Machine Age	hrs	Client Info		5060	5060	5060
	Oil Age	hrs	Client Info		5060	3857	258
	Filter Age	hrs	Client Info		0	0	258
	Oil Changed		Client Info		Changed	Changed	Not Changd
	Filter Changed		Client Info		Changed	Changed	Not Changd
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	11	20	16
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>2	0	<1	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>25	1	5	3
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m	>330	2	3	2
	Tin	ppm	ASTM D5185m	>15	0	0	<1
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3	4	3
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	9	2	<1
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.2	0.4	0.3
	Nitration Sulfation	Abs/cm	*ASTM D7624 *ASTM D7415	>20	6.2	9.0	7.8
	Silt	Abs/.1mm	*Visual	NONE	18.2 NONE	20.1 NONE	19.5 NONE
	Debris	scalar 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		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m		16	1	1
	Boron	ppm	ASTM D5185m		0	<1	0
	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m		64 0	62 0	62 <1
	Magnesium	ppm ppm	ASTM D5185m		965	945	1047
	Calcium	ppm	ASTM D5185m		1091	945 1107	1161
	Phosphorus	ppm	ASTM D5185m		1006	1007	1063
	Zinc	ppm	ASTM D5185m		1232	1283	1336
		PPIII			1202	1200	0700

Sulfur ppm ASTM D5185m

Oxidation Abs/.1mm *ASTM D7414 >25

Base Number (BN) mg KOH/g ASTM D2896 9.8

Visc @ 100°C cSt ASTM D445 15.6

17.4

13.4

3130

14.1

8.4

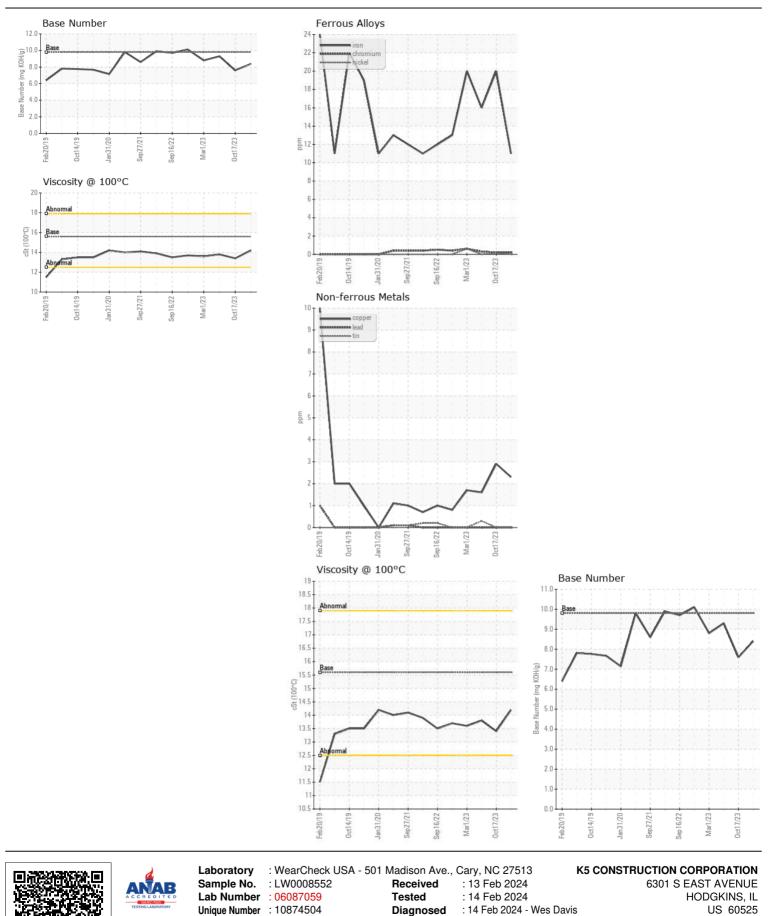
14.2

15.9

13.8

3156 3762

7.6 9.3



Centificate 12367 Test Package : FLEET 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)

Submitted By: NOELLE TERRAULT

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